

<110> Young et al.

<120> 207 Human Secreted Proteins

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<140> Unassigned
<141> 1998-12-04

<150> PCT/US98/11422
<151> 1998-06-04

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tctcccggtc tctctgaggtc acatgcgttg tggtagagct aagccacgaa gaccctgagg 180

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gccccctaact	ccgcccagtt ccgcctatcc tccgccccat ggctgactaa ttttttttat
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31

12

60

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cagttccggcc catttcccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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aacatgtaat gaatgtagta atagttaatta ttttatttcc ttctgattca gttggggacta
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rgatggcagt	tccagccctg	gttacgcca	tattagcaca	cagaaagaaa	gagaaagggga	420
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catccacact	ccttgctgct	tgtcctatac	tctctaaaaga	agttcagttc	tcccttatga	1080
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 ctgccaaaga atctctattg tcaagatatt ctttaccatc ttggggacat tctcattatt 780
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 gargctggag ccagtggtga agarggattg agargacaga cattgtggga atgaaatcat 240
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 aatctatgta ttgaaaaatt cccacatttc cttgtatccc ttaggttgag cataattcca 360
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t g g c a g g a g c g c a g g a t g g c a g c t g y t c c c c c g g g t t g c a c c c c c c a g y t c t g c t g g a c 120
a t a a g y t g g t t a a c a g a g a g c c t g g g a g c t g g g c a g c c t g t a c c t g t g g a g t g c c g g c a c 180
c g c c t g g a g g t g g c t g g g c c a a g g a a g g g g c c t c t g a g c c c a g c a t g g a t g c c t g c c c t a t 240
g c c t g c c a g c g c c c t a c g c c c c t c a c a c a c c a c a a c a c t g g c c t m t c c g a g c t g c t g g a g 300
c a t g g a g t g t g t g a g g a g g t g g a g a g a g t t c g g c g c t c a g a g a g g t a c c a g a c c a t g a a g 360
g t g c g c a g g c c a g g g c t c g g a c c t a c c c c a g g a a t g t c c t g c c c t g g g a a t g a c a a c a c a 420
g t c c a c a c c a t g c a c g g g g a g g c a a a c a g g g g c a g c t g a c c a g c c c c a g g g g t c a g a n g a 480
g g t c t t g c c g a g g a a g t g g c a g c t a a g c t g a t a c c t g a t a t g c a c w a g k c a g c c a r g y y g g 540
a g a c a g g c a a g g a a g a a g c t t g t t t t g a g g a c a g a a t t t t c t a g a t c a c t c a g c a c c a t c 600
t g g c t t t g g g g c t t t t g t t t t a t t t g t t t t t g a g a c g g g g t c t c g c t c t g t c g c c c a 660
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t c t t t c c a g c t g t c a g a c g g c t t g c t g c t t g t t t t c c a c a c o a c c a t g t c t a t t c t t t g c 120
t g t c c t t w a c t c t g c c t g t t t t t t c c t t t t g t a t t t c t t c t g g c t c t t g t c c c t t t t c c 180
c a c g r g t c w c a g c t t t c c t t t a t t g c c a c t t t c a g t c a g a g c a g t c c t g t g c t t c t g g t g 240
c c g g c a t a c a a t a c t t a c t t g a g t t t c t t g g c t t t c t t g a c t g t g c a t c t c t t a c t t c a 300
a c a t a g g a a t a g c c t g t c a t a g a a t t t c t c c a g t t c c a g g g c t c a a g a g g g a g a g t g c c a 360
g a a a a t t g a g a c t g t t t t c c c t g t c t t g g a t t g a a t t c a t a a a g c a a a a c c a g t g t t t g t 420
g t g a g g g t t t g c t g t g t c a t g c c t a t a g g t g t t t t g g g t g c a a a c c t a t a g a a t c a g c c 480
t g c g a a a a g a a a g r a a c c a g a g a a t a n c a g c a t c a g a a c a a t g e t t g a c a t c a t t t c t c a 540
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cctctcttata ctagcccaat caacttacaa gataaagtcc aagccccttc atatgacaaa 180
ccacaccctg cttaactctc caggtttgaa tccttcatct cctactttaa actttaaaaac 240
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gcacacatct gtggctccctg ctacttagga ggctgaggtg agaggatcct tgagccaggg 780
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<213> Homo sapiens

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tggttttggg	gttttctctg	ttgtgccaag	ggctggacac	tgctgggggg	ctggaaagcc	180
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tcgcca						1446

<210> 21

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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<210> 22
 <211> 1402
 <212> DNA
 <213> Homo sapiens

<400> 22	
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ctaaagggtg	aacaagccat
aaatacttgc	ggcggcagt
aaagtgccgc	atccgctgaa
tgggacttcc	agggcagagga
cgtcatgacc	gggcccacag
gtctctggcc	aacgggttga
gaaagggagg	tcttctccaa
ttaggggact	gaaatggaga
catgtctgca	gtgctcccat
agtctgtctc	gggcttgggt
cgaagagcat	catctctgcc
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ct	

<210> 23
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (301)
 <223> n equals a,t,g, or c

<400> 23	
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gccaagattc	ttattgatta
ccatttgcgt	gagcttgggt
ccacagacca	taccagccta
gccagggctg	gtcttgaact
ctaaagctgc	tgggactgca
ccatgttgct	tcaagaagcc
acatttggta	gaagcaactg
ttttttgtat	ttttttgtag
cctgggcttg	agcgatcttc
accatggcca	accatggcca
ccaattatcc	
aatttgaaca	

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tgtaacttaa	catctatata	cacagtgggg	agaactgaag	ttattaaacc	tggaattctt	480
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tccttatgtg	tctaataaat	ctgtttccat	gaatgatca	aaaaaaaaa	aaaaaaaaa	1020
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<210> 24
 <211> 990
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (834)
 <223> n equals a,t,g, or c

<400> 24						
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caggatcaag	tggtggaagg	cttgcaaggt	ggcttcagcc	agattccat	gcggatccct	180
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ataactggat	taaaattaga	gacatctata	tactggctgc	aatgactgat	aaaattttag	360
aaatgccaa	tgctgagrgt	ccattttgtc	taccctcttt	atataaagg	tgatgctgaa	420
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agaaagtatc	catctaaaga	gtgctagaca	catacagtga	agccctccaa	tatgtattga	600
ttgaataaat	gcattgaaaga	atacattttt	aaatttttgt	tatagttttg	aaagactcaa	660
gtacgttctg	gttttgtgat	tactgaaacc	acattttaaa	aataacactc	attaaagttag	720
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atattatata	taattatttg	tgatttaaat	tgtaaatatg	aatatctcat	ttaaaacttt	900
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<210> 25
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<400> 25						
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cgactttgac	aggctgggtg	tacagtacgc	tcccagcgct	gaggctggcc	cagagctgtc	1020
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aaaaaaaaa						1208

<210> 26
 <211> 1922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1022)
 <223> n equals a,t,g, or c

<400> 26						
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cggtgctcgg	gaagacggcc	gcttatgcta	tcctcgatgt	gcagctgtgt	ctccatagga	240
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aa 1922

<210> 27
<211> 1951
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1934)
<223> n equals a,t,g, or c

<400> 27
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<210> 28
 <211> 3989
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<400> 28
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<210> 29
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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<222> (3690)
<223> n equals a,t,g, or c

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<220>
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<222> (3716)
<223> n equals a,t,g, or c

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<210> 30

<211> 1667

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (1628)
 <223> n equals a,t,g, or c

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<210> 31
 <211> 1408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1385)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1395)
 <223> n equals a,t,g, or c

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<210> 33
<211> 971
<212> DNA
<213> Homo sapiens

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<222> (957)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (964)
 <223> n equals a,t,g, or c

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<210> 34
 <211> 1792
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1767)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1768)
 <223> n equals a,t,g, or c

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cagactccgt	tttcatTTTT	tgcgttctt	tatgataaat	atctttttag	attggttatt	1140
tctgtacttt	atctgtataa	aactttttag	atcctgtgaa	ccattacttt	gcctaaatca	1200
cttgagactt	gagctcttaa	taacaaagca	tcaatattca	ctaaagctaa	tctcttttga	1260
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tataaatatt	tgaggatttt	gttgattggc	ctatgtttta	ttgcataagt	tgaaacgtgt	1440
aaagcttggt	taacctgtat	atagatagct	tattgttgac	tagttatagt	gtatttaggg	1500
tggcctgtaa	tatttaagct	tctttactga	tgtgtgtgct	ggtaggaaca	tataattttt	1560
gtacattata	tttactgaga	tgttgccttt	tttattttac	aaatactttg	gaattccaat	1620
gtgttttttg	cttccgtgag	gattaaattg	gaaaggtttt	taatgacatt	ccactgattt	1680
cagattttgc	ttgagattga	cttcaataaa	ttgtctctga	tgttccaaaa	aaaaattaaa	1740
aaactcgagg	ggggcccggt	acccaannnc	ccggatatga	tcgtaaacaa	tc	1792

<210> 35
 <211> 896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (870)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (877)
 <223> n equals a,t,g, or c

<400> 35							
agttgnanac	aacaggacct	gagtccttgg	gcagccaccg	taggttgccc	cytgcytcyt		60
gccagcytca	cytgccacyt	tytgccccct	tccggatgcc	ttcgcagaca	gagyttytgc		120
ctgcctgtgg	tgccaytct	ttgcttttgg	tttcttgccc	ccttgccctc	ccttttttgc		180
cccgggcagc	ctgtgtgtgac	ctgccctttt	ccctcccttc	ctttccagga	caagcacgcc		240
gaggagggtg	ggaaaaacaa	ggagctgaag	gaagaggcct	ccaggttaag	cctagaggcc		300
aaagaacttt	ccaggtcagc	cggacagctc	cagcagctcc	acgtttccagg	cagcctcgmc		360
cgcggctgtc	gtctccagca	ctgggggttt	ggggggaggg	ggtaggcaag	gggctgttcc		420
ttcgtctttt	gtgtttgtac	atgttaagaa	ttgaccagtg	aagccatcct	atttgtttcc		480
ggggaaacaat	gacgggggtg	garagggggg	aggagagagt	ttgggaaagg	gagatggaga		540
agaactcaag	gcatttgcaa	ccctgcccg	cgcagatctg	attttacat	ctccacttgg		600
acatttgagcc	tccaggcac	catgttgagg	agagatgaaa	accaggggcg	tagaacttcc		660
gggtgaagga	cagagtcctg	ggtggggcag	cggctgcagg	gcgcaccaga	gaaccagcc		720
agaggggggtg	tgagtaccag	tgggtgtgct	tccacctgcg	agcaggtggg	atgaggtctg		780
tgtgtgtgtg	tgaaccatca	ttttttgatc	atcatgacca	atgaacattt	gaaaaaaaaa		840
aaaaaaactg	gagggggggc	cgtaccacca	tgcgggnata	gtgatcgtaa	acaatc		896

<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36
 tcgaccacacg cgtccgggtca gccagtcgca tccagccatg acagccttct gctccctgct 60
 cctgcaacgag cagagcctcc taccocaggac catggcagcc cccagggaca gccctagacc 120
 agggggaggaa gacgaaggga tgcagctgct acagacaaag gactccatgg ccaagggagc 180
 tagggcccggt gccakccgct caggggctcg ctgggggtctg gccctacagc tgcctgcacaa 240
 cccaacctgg caggtctctcc ccaagacggc cctgttgggt gccaatgggt cccagccctcg 300
 arggcaggga akgtcaaccc acctgcccat ctgtgtctgag gcatgttctt gccctaccatc 360
 ctctccctcc cccggctctc ctcccagcat cacaccagcc atgcagccag cagggtctctc 420
 ggatacacyt ggtttkggtgg aggtctgtct gcaactggag cctcargarg gctctgctcc 480
 acccaacttg ccatgggaga gccagcaggg gttctggaga aaaaaactgg tgggtttagg 540
 ctttgggtcca ggagccagtt gagccagggc agccacatcc aggcgtctcc ctacctctggc 600
 tctgcatcca gccctgaagg gccctgatga agccttctct ggaaaccactc cagcccgact 660
 caacctcagc cttggccttc acgctgttga agcagccaaag gcacttctcc accccytacg 720
 cgccacggac cttytggggg agtggccgga aagctcccs gcttytgccg tgcagggcag 780
 cccaagtat gactcagac aggtccacaca ctgagctgcc cacactcgag agccagatat 840
 ttttgtatgt tttatkcctt tggctattat gaaagaggtt agtgtgttcc ctgcaataaa 900
 cttgttctcg ag 912

<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37
 aattcggcac gagcggaggc gagggaaact ragggcgaaa gttgtgtgct gtgttggcag 60
 gagggccctag aagggaaga ctgtctagt ggacaatgtc atattataaa ttggaatgc 120
 tgaatagaaa attatagatt ttgatattga aggaatgaa gcgaagcyca aatgaaaaatt 180
 cagctcgaag tacagcaggc tgtttgctgt ttccgttgtt caatcagaaa aagaggaaca 240
 gacagccatt aacttctaact ccaactaaag atgattcagg tatcagtacc ccttctgaca 300
 attatgattt tctctctcta cctacagatt gggcctggga agctgtgaat ccagagttkg 360
 ctctgtaat gaaaacagtg gacaccgggc aaataccaca ttcagtttct cgtcctctga 420
 gaagtcaaga ttctgtcttt aactctattc aatcaaatc tggaaagaagc cagggtgtgtt 480
 ggagctacag agatggtaac aaaaatacca gcttgaaaac ttggrataaa aatgatttta 540
 agcctcaatg taacgaaca aacttagtgg caaatgatgg aaaaaattct tgtccaatga 600
 gttcggggagc tcaacaacaa aaacaattaa gaacacctga acctcctaac ttatctcgca 660
 acaagaataac cgagctactc agacaaacac attcatcaaa aatatctggc tgcacaatga 720
 gagggctaga caaaaacagt gcactacaga cacttaagcc caattttcaa caaaatcaat 780
 ataaanaca aatgttggat gatattccag aagacaacac cctgaaggaa acctattgt 840
 atcagttaca gttttaggaa aaagctagtt ctttaagaat tattttctga gttattgaaa 900
 gcatgaagta ttggcgtgaa catgcacaga aaactgtact tctttttgaa gtattagctg 960
 ttcttgatc agctgttaca cctggcccat attattcgaa gacttttctt atgagggtg 1020
 gaaaaaacat tctgccttgt tctttttatg aaatcgatgc tgaacttcag agactgatt 1080
 gaggcaggat tcatagatgt ttgggcgaat atgaccagaa aaagaacatt ttccaattgt 1140
 ttcttctgac accggcgtct gtttctgagc aaaaaactt ccaggcattt gtcaaaaattg 1200
 cagatgttga gatgcagtat tataataat tgaatgaat aacttaagta tgataaaag 1260
 gaagttagc ataaaaata gcagttttct gttattgctt aatttaccat ctccatagtt 1320
 ttatagctac tattgtattt cacttgttga attaaagat ttgaattctt ttaaaaaaa 1380

aa

1382

<210> 38
 <211> 872
 <212> DNA
 <213> Homo sapiens

<400> 38
 gggctacttc aaagccctgg gccctatttc ttccaggtaaa aaaatataaa gtcagatctc 60
 atcccggctg gccatgctgt tagacccttt cctcctcttc tctcgaacagc 120
 tgcccagctc tgtttggaat tcatatacat acagttctaa tactgatgta ttaccctca 180
 taagccactc aaccacagaat cttatttgaa ttataatcca gaaacatcag gtgacgtgtg 240
 agactactgt atgagagaaga gacagttaa gggctcagtc aatggaaaaa agagtcttca 300
 gagcttttct tagcttattc tcatcaaaga gctttctctg cagaaggaaac ctactggttc 360
 ctccctttcca gtccctagaaa tccctgacct gagtggtcta atcctgctag cactctcttc 420
 tcgcactctg gtgccaaaatg actccaggaa ctgggccatg atgtgggtgg aatgacctta 480
 ccttgagcat gtcactcatg cattgaacaa cagctaagag cagagcttag agcttagagc 540
 tgggccctgt aagggtgagag gaatcacatc ctgcagaagt ctgtcctgag aagcagggtac 600
 tccgtgcaca gcagagacac agtggatacc tgagtaacaa taatacaaga caggacgtgg 660
 gmacagcaaa agatttgggt gtcagaagar gccgagaaca cttcagcgca ggaacattca 720
 rarttgttct tggaggaaat aggcmcasaag gctgggcagg atttcmcggg gcagagatgg 780
 agcaagcaat tgaatatgaaa gccatggcat gggaaaaggga gcaactggcca caggagatgg 840
 aacgttgtga tgcaaggcca ctgtggagcc at 872

<210> 39
 <211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (794)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (806)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (810)
 <223> n equals a,t,g, or c

<400> 39
 ggcagaggct caccaccagca gagattgagg ggggaaccgtg atgaaatttt taagtattct 60
 gcttgatgat aataaatttt cctctatggt aatgttggct cgttttgggt gtttagcttt 120
 tgaaaggagat atgaaaatgc ggaatggggc tttggggctt gaggaggtgt gatctctagt 180
 gtttaaaaaa ttttaattgca caaatagaaa taattcacc acattattga accccactaa 240
 agcatatcct ttttgtccat attcctttcc tgcctccctc gtgtgtacca ttattactca 300
 gttgtgattt gagctcgttc cacttaaagt cattcataga tacttttgcg tctgtttkga 360
 atatttattg aattttctatt ctgtgtttta ctttaattact ttattatgga acctttacac 420
 aggtctgggt tacttgttct ttgaaaagtc ttatgttgac caccatcact gagcatatag 480
 ctttttccct atttccctgg gataattacc cgaagtggaa ataccgaatc aaacttctgt 540
 tttctttctt tggcactatt atataaattg ttttccaaac aaggcacgtt tacaatagac 600
 atttttcaaa atctgggtat ttgtcctatt ttgctctctg tatgcagaat tccagggggt 660

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gccaaagtcgt tttctgtgtg ggttgagaga caggctgtgc agcccactgt tgcataaggac
taactactac aaatcatgct gagaccgagc tatttttgc tcttagargc ttgcagcct
tgagtaagtt tgcncatctg gaaacnttgn aa

```

720
780
812

```

<210> 40
<211> 1515
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (69)
<223> n equals a,t,g, or c

```

```

<400> 40
aattcggcac gagggaatt caagcacttt tcttaaaaga agggggaatg gatgctgaaa
caacacgntt ccacaaaagg gagcagacac tgggcttgtg aagctgcccc ataccttccc
cacagaactg ggttcggccc tccctgacat cgagatttcc acccagaaga cagagaaggga
gccagtggct atggaatggg ctgggggtcaa agactgggtg cctgggagct gaggcagcca
cogtttcagc ctggccagcc ctctggagcc cgaggttggg ccctactgtg acacacctac
catgcgggaca ctcttcaacc tccctgggct tgccctggcc tgcagccctg ttcacactac
cctgtcaaaag tcagatgcca aaaaagccgc ctcaaagacg ctgctggaga agagtcaagt
ttcagataag ccggtgcaaag accgggggttt ggtggtgacg gacctcaaag ctgagagtgct
ggttcttgag catcgagct actgctcggc aaaggcccgcc gacagacact ttgctgggga
tgtactgggc tatgtcactc catggaacag ccatggctac gatgtacca aggtctttgg
gagcaagttc acacagatct caccgctctg gctgcagctg aagagacgtg gccgtgagat
ggttgaggtc acggggctccc acgacgtgga ccaagggtgg atgcgagctg tcaggaaagca
tgccaaaggg ctgcacatag tgccctggct cctgtttgag gactggactt acgatgattt
ccggaacgtc tttagacagt aggatgagat aggagagctg agcaagaccg tgggtccaggt
ggcaaaagac cagcatttcg atggcttcgt ggtggaggct tggaaaccag tgctaaagca
gaagcgcgtg accgaccagc tgggcatggt cagcacaag gagtttgagc agctggcccc
cgtgctggat ggtttcagcc tcatgacctc cgaactactct acagcgcgac agcctggccc
taatgcaccc ctgctcctggg ttcgagcctg cgtccaggtc ctggaccgga agtccaagtg
gcgaagcaca atcctcctgg ggctcaactt ctatggtagt gactacgcga cctccaaggga
tgcccgtagg cctgtgtgct gggccaggta catccagaca ctgaaggacc acaggccccc
gatggtgtg gacagccagg yctcagagca ctctttcgag tacaagaaga gcgcgagtg
gaggcagctg gttctctacc caaccctgaa gtccctcgag gtgcggctg agctggcccc
ggagctgggc gttggggatt ctatctggga gctggggcag ggccctggact actctacga
cctgctctag tggggcattg cggcctccgc ggtggagctg ttcttttcta agccatggag
tgagtgagca ggtgtgaaat acaggccttc actcgttaa aaaaaaaaaa aaaaaaaaaa
aaaaaaaaaa aaaaaa

```

60
120
180
240
300
360
420
480
540
600
660
720
780
840
900
960
1020
1080
1140
1200
1260
1320
1380
1440
1500
1515

```

<210> 41
<211> 704
<212> DNA
<213> Homo sapiens

```

```

<400> 41
aagatggtgg cgcacagagc ttgcctctat gctgctcccc tgagagaggg gtttccatca
accagttttg caaggagttc aatgagagga caaaggacat caaggaaagg atctctctgc
ctaccaagct tttagtgaag cctgacagga catttgaat taagattgga cagcccactg
tttctacttt cctgaaggca gcagctggga ttgaaaaggg ggcccgccaa acagggaaag
aggtggcagg cctggtgacc ttgaagcatg tgtatgagat tgcccgcatc aaagctcagg
atgagcagct atggcctgag gatgtacccc tctgtctgtg tgtccgctcc atcatcgggt
ctgcccgttc tctggcattt cgcgtggtga aggacctcag ttcagaagag cttgcagctt
tccagaagga acgagccatc ttcttggctg ctcaagaagga ggcagatttg gctgcccaag

```

60
120
180
240
300
360
420
480


```

aagaagctgc caagaagtga cccctgcccc accaactccc agatttcaaa ggaggtagtt      540
gcaaaagctg tgcccaaggg gaggaaggag gtcacaccaa tatgatgacg gttttcatga      600
ctttgaatga tatatttttg tacatctagc tgtatcgagg catcaggcct gaataaacat      660
cctttcttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa      704

```

```

<210> 42
<211> 1094
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (196)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (226)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (302)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (596)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (952)
<223> n equals a,t,g, or c

```

```

<400> 42
ggcagctttc ttacaaaccc atccttctga aatgttgctt caaattcctc ctctgctccc      60
cagtcocact attccacaca tactgttact gtttctttat cctactttct caattttgga      120
acatagttgc agttactgca ttgaatacct gtgggtttgc ctgtgtctct gctctctctc      180
gtgggtcttg taatantgga tccagagatg aaaaaggaca gttgtnatgc acagttaatt      240
cagaaaactag accttacttg ctgtgtgaaa taccaacraa attctcagtg aactcagctg      300
anctttatct ccttttgttt cccaatttta taatttcagt tcaggccccc aaagatggaa      360
tcccagctaa gaaatacaag ttacaccctg tactagcagc coatgtgtgc atgttcttta      420
agtgcctctg cagctatgtc atttatattg atttccctgt attattataa gcaagacaaa      480
tttgaggaaa aaacccata ataccacacc tcattttttt caagtaatag ggtcataaag      540
ctcatyctyc atataatatg ttgagtatgc agtatattat gtgttaggct ctgganaggc      600
agagggttaga tcattgtwaca gatcatatck gattaggcag ataaacagta ttttaacctt      660
ttccttatta tatgtaactt gctttcaggt tttttaatgt tactattatg tctttaatat      720
attatcttta ttgtactttt tgtatacaga gtgattttcc ttttttaaaa aaaatttgtgt      780
ctttaggatg gattccaaag atgtggaatc agtaggttta aggaatatgg atattttggc      840
tggcaagggt gctcacacct gtaatccagc cactttggga ggctgagggt ggtgatcac      900
ctgaagtcag gagtctgaga ccagcctgac caacatggcg aaacctgtgt tntactaaag      960
acacacwaa aatrrgccag ttggtggtggc atgtgcttgt agtccacct agctactcga      1020
gaggctgagg cagggaatcc gcttgaaccc gggaggcaga ggttcagtg aggcagaagat      1080
gcacctctac actc      1094

```

<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43
 tggccttaggc catcaccctt cecttggctg gaactactgg acagaccctt ttgagatgtg 60
 cctgtgggtgc tgtggagatg tgtgtagtct ttgttgagct tgtgtgtgtg 120
 ttgtgtagtc tttagctgtat gctgaaattg ggcgtgtgtt ggaggggtct tttagctcttt 180
 ggtgagatgt tattttctatg ttgtttgtatc asctgaatgt tgcctggaaat aaaaaccttg 240
 ttgtlmaagg ctctyttttt tgggaagtaa gttaggggaaa aggtctctga ggggtccctag 300
 gctcctttgt acaacaggaa aatgcctcaa agccttgcct ccagcaacc tggggctggt 360
 tcccagtgcc tgggtcctgcc ccttccctgt tcttatctca aggcagagct tctgaatttc 420
 aggccttcat tccagagccc tcttgtggcc aggccttctt ttgctggagg aaggtacaca 480
 ggggtgaagct gatctgttac ttggggggtc tccctggcct gtccacccaa gtgagagaag 540
 gtaectactc ttgtacctcc tgttcagcca ggtgcattaa cagacctccc tacagctgta 600
 ggaactactg tcccagagct gaggcaaggg gatttctcag gtctatttga gaacaagtgc 660
 tttagtagta gtttaaagta gtaactgcta ctgtatttag tggggtggaa ttcagaagaa 720
 atttgaagac cagatcatgg gtgggtctgca tgtgaatgaa cagggaatgag cgggacagcc 780
 tggctgtcat cgtcttcttc ctcccatttt ggacctttct ctgcccttac atttttggtt 840
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 cctcttggct tgattttgct tctttcttct ttgtggaggat atactaatgc cgactctgcc 960
 ctatccctatt tggaaatccc taacagaatt gagttttcta ttaaggatcc aaaaagaaaa 1020
 acaaatgct aatgagacca tcagtcaggg gtccactgcc aataaacaat aaattttcca 1080
 gaagaaatga aatccaacta gacaaataaa tgaagatgta tgaatgggtt cagtaaggat 1140
 gaggttctgt ttttttcttt ttttttcttt tggkttttta aagacggagt ctccgtccgt 1200
 cactcagcct ggaagtgcagt ggtatgatct tggctcactg taacctccgc ctccggggtt 1260
 caagccattc tctctcccta gtctcctgag tagctgggat tacaggtcgt tgccaccatg 1320
 cctggctaatt ttttctgttt ttagtagaga cagggtttca ccatgttctg cgggctggtc 1380
 tcaaatccc gaactcttga tccgcttgc ttggcctccc aaagtgtggt gattacagat 1440
 gtgagccacc cgtgccttag ccaaggatga gattttttaa gtatgttca gttctgtgtc 1500
 atggttggaa gacagagtag gaagatatg gaaaaggtca tggggaagca gagggtgattc 1560
 atggctctgt gaatttgagg tgaatgggttc ctattgtct agggcaactg tgaagaatat 1620
 gagtcaagtt ttgccagcct tgggaatttac ttctctagct tacaattgac cttttgaaat 1680
 ggaataacac ttgtctgcat tcaattttaa atgtcaaaac taatttttat aataaatgtt 1740
 tattttcaca ttgaaaaaaa aaaaaaattt aaaaacycgg ggggggcccc gwaccocatt 1800
 ngccctaag tggggggggt t 1821

<210> 44
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 44
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 ggcagaact gcacccagcg gccgtctaca cctaccacga gaagaagaag gacacagcgg 120
 cctcgggcta tgggacccag aacattcgag tgagccggga tgcctgtgaag gaacttcgact 180
 gctgttgtct ctccctcgag ccttgccacg atccctgtgtt caccocagat ggctacctgt 240
 atgagcgtga ggccatcctg gagtacattc tgcaccagaa gaaggagatt gcccggcaga 300
 tgaagcccta cgagaagcag cggggcaccgc ggcgcgagga gcagaaggag cttcagcggg 360
 cggcctcgca ggacattgtg cggggcttcc tggagaagga gtcggctatc gtcagccggc 420
 ccctcaaccc tttcacagcc aaggccctct cgggcaccag cccagatgat gtccaacctg 480

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ggccacagtgt gggctcctcca agtaaggaca aggacaaagt gctgcccagc ttctggtatcc 540
cgctcgctgac gcccggaagcc aaggccacca agctggagaa gccgtcccgcc acggtgacct 600
gcccacatgtc aggggaagccc ctgcgcatgt cggaacctgac gcccgctgcac ttccacacgc 660
tagacagcttc cgtgggaccgc gtgggggctca tccccgcag cgagcgctac gttgtgtccg 720
tgaccgcgca cagcctgagc aacgccaccc cctgcgctgt gctgcggggc ttctggggctg 780
tggtcacccct cgaatgcgtg gagaagctga ttcggaagga catggtggag cctgtgactg 840
gagacaaact cacagaccgc gacatcatcg tgcctgcagcg gggcggttacc gtttcgcggg 900
ctccggagtg aagctgcgaag cggagaaatc acggcggtg atgcaggcct gagtgtgtgc 960
gggagaccaa ataaaccgac ttgggt-gcgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaa 1024

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```

<210> 45
<211> 983
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (976)
<223> n equals a,t,g, or c

```

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<400> 45
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gccccctggga acaagccgga gctgtatgag gaagtgaagt tgtacaagaa cggccgggag 180
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gaccggcccca tcaccatcaa ggcgacaag ggcaacctca accgctgcac cgcagacgtg 480
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tcagatgagc tggacgactc acaggtgcgt cagatgctgt tcgacctgga gtcagcctac 720
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caactcactg tctgcagctg ctgtctgtgt gttgtctctt ggtgtcgaga cttttggggc 900
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ksgggccggt ccccantccc ccc 983

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<210> 46
<211> 2421
<212> DNA
<213> Homo sapiens

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<400> 46
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gaggaaagta ccatggacac aagtgaatac agacctgaaa atgatgttcc agaacctccc 180
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cgctgggggg ccagcacagc caccacacag aaaaaacctt ccactcagat caccactgaa 420
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acccatgata aggggctgaa aatatgccgg acagtcaact aggtagtacc tgcagagggc 600

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<210> 47
 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 47						
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tcatttcagaa	tgttttagtaa	ttttcagatt	tttcagagct	ttcagcccaa	tatatctccy	180
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<210> 48
 <211> 2432
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2049)

<223> n equals a,t,g, or c

<400> 48

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cgggaagagac	tggcgggastg	ctgggtctccg	tcctggaaaca	gggcttgcca	ccctcccacc	240
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tcaccagccg	ccagagccgtg	caggccaytag	cctgytatgy	tgacatctct	gtctctgagg	360
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ggacaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2432

<210> 49

<211> 1742

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (570)
<223> n equals a,t,g, or c

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cccaggttca tgcctctctt ccgcactcag ccgcccctgcc ctgtcctcgt ggtgagtcgc 240
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<210> 50
<211> 1497
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1486)
<223> n equals a,t,g, or c

<400> 50
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<210> 51
<211> 1328
<212> DNA
<213> Homo sapiens
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<210> 52

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<220>
<221> SITE
<222> (1551)
<223> n equals a,t,g, or c
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<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

<400> 53
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 gctgcaaaaag gtattatttc gtcccttttt gtggctgagt agtatccat ggtgtatata 120
 taccacattt cttttatocca ctcatgtctt gatgggcagt taggttggtt ccacatcttt 180
 gcaattgtga gttgtgctgc tccagatate atctttaact cctttgcctt ctccacatac 240
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 aaaaaaaaaa aaaaaaaa aaaaaggggc cgccctagag gtccaagtta ngacngng 1558

<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54
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 aagmtcgaaa tccagtctct caggaaacccc tccaaaaccc acacccccag ggacgcgcgt 300
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 caccgcccc aactctgacaa aacccccgct ccaggctggc agggctcctg tcttttcttc 480
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<213> Homo sapiens

<220>

<221> SITE

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (788)

<223> n equals a,t,g, or c

<400> 56

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ccgcgcctct	agccgctgct	gtcttcgttg	gagggcccg	gagttcgccg	ctgggtggctc	180
cggaacaatgg	gagcagccgc	acattgcact	ccagaacaga	gacgaccocg	tcgccacgca	240
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ttagtggggc	tgaaacccctc	aatggggagg	tgccggcaac	acctgtgaag	agagaacgca	900
gtggcacaga	gtagcaggtg	agccgtgggt	ttggtgacat	tgggggcaga	gtggtgcagg	960
gtgaggagaa	ggctacttga	gcctcccagg	tgctgtggca	gcataggaat	ggtatttgac	1020
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tgcttgccca	gagcctctctg	taaaagaagtc	acaaacttag	tgccctccagg	ggcttggctg	1140
tgctgataatg	aggatagagg	attactctgtg	aggcaatgtg	gcattggtggg	gatttgggca	1200
aaactagaatt	cacatcacc	accatatagg	gcttgcatta	ccacgaggca	gaaagcacct	1260
agtgtgtgtg	catcttcttta	cgcaaaaaag	acaaaaatcca	gacttctaaa	atgtaaaatc	1320
actgattttc	gatattggca	gcttactttt	ttttttttaa	caaccactgca	ggccaaatga	1380
cttgaatctt	gtgcaccatt	tttagtgtaa	ctgtgacttg	aaaaagtctg	gagcaaaaca	1440
accaatgctt	tttcccttta	ttctgtttgr	aaccagtttt	ctttgtgtca	cagttytgaa	1500
acctcaatac	gaatatttct	cttccaccca	aatattttga	ggcaattgaa	aagccacagt	1560
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<210> 57

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (250)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57
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 cctccctacc ttcccagac ctctcaactcc tgccctggtgt tccaacccgt tctgtggcca 180
 gagtatacat ttggaaacct ctctcaggcc atccctgagc tccagatgaa ccatagcgtg 240
 cttcagcagn aaggcccagag acatgtatgc agaggagcgg aagaggcagc agctggagag 300
 ggaccaggct acagtgcagac agcagctgct gcgagagggg ctccaagcca gtggggacgc 360
 ccagctccga aggacacgct tgcacaaact ctgggccaga cgggaagagc gagtccaagg 420
 cttccctgcag gcccttggaa tcaagcgagc tgactggctg gcccgctctgg gcactgcctc 480
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 mycctctcct ttcttgggtga aaggcacctc ctttctctgat aatgaatggt gtcccttttg 600
 ctggctgggg gagcccccca ggccaggttt gctggccata gatacctttg ggctgcctgr 660
 gacagctcc tgaggaggat tgagggtgaa agtctccac gagtacaact aacctagggtc 720
 tggctaccaa tagggttttg agagcaaaagg gccacaactc atcagctgcc tgtctcttat 780
 atgcactttc tttttccacc agcacatctc tcaacacaca gaatttcagg gaagagttct 840
 ccccaaaaac ctagctcttt acccttccat tttagccttc caccagctt ccaaaaaaga 900
 ttggctccta ctttggtatc gctagtaaat aactaatagg caggcagtta ttgggtaag 960
 gaaaaaaggg gtgggagaga cagaaaattt gcccaactgt gctcctcccc ttggstytc 1020
 acctgggatt tgcatttgaa tctctacct nn 1052

<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (751)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

acncgntggc	ggcgcgtcta	gaactagggg	ancccccggg	ctgcaggaat	tgggcacgag	60
catagacttt	taaacctgta	cggttcttag	agatgggtcc	tgccctctctg	ttgtgtgtgt	120
kgtttttttc	ttttttcttc	tcctctcttc	cttctctctc	tctctctctc	ctttctctct	180
ttttttttca	gagtcttgct	ctgtcaccaa	gactggagtg	aagtgatgtg	atctcggctt	240
actgcaacct	gggaggcaga	gggtgcagtg	agtcgagatg	gtgccattgc	tctcgttttg	300
gcaacaagag	tgaactcttt	gtctcaaaaa	aaaaaaaaaa	atgaggttta	agacagtttt	360
gtcattactg	gtgggatctg	gtcacacaag	atagcattaa	acgtgacatg	gcacataaaa	420
ttggttaaaa	aattttgttt	tttaattacg	taatgtaaaa	gccccacaaa	cactttatgc	480
aagattggaa	tgtatcttca	aattcagatt	taataaacat	gtaagatccc	tctgtatata	540
aaagtgtgat	ttaatccctt	gtgccccaa	aatgctataa	aagatcccaa	gaatgtttatc	600
tatgaaaaga	tagcaatagg	gaatgggtgaa	caataaattt	aatttgccaa	ttctaaaaaa	660
catggacttc	aaccccatga	aaacttggtt	ccatagtttt	aaactgtttt	tggttccaat	720
acaaaaccag	agtggtttac	attccacaat	naccaaaatt	gcattccaatn	ttggggtaatt	780
tttnggtatt	tgccatggga	tactattcat	tttt			814

<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1186)

<223> n equals a,t,g, or c

<400> 59

agagggaagtc	ttttgccaag	ctgtttctct	ggactaacgc	catccaggct	gggaggggaa	60
gagtgctctg	ctacactcgt	ccccctctg	cttcactctc	ctttctcagc	ttggttctctg	120
atgggaacag	aatggagggc	ctgagaacat	actttctaaa	tgcctttgac	ccagggaaccg	180


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<222> (39)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (548)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (560)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (562)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (584)
<223> n equals a,t,g, or c
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[illegible]

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<210> 62
<211> 751
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
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<223> n equals a,t,g, or c
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<220> .
<221> SITE
<222> (159)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (202)
<223> n equals a,t,g, or c
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<400> 62

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ttctgttgta	cagctcatag	aagtcaacaa	ttttcttcaa	cactggtagg	cagcctctaa	120
atggccctga	tcaccctcac	ctcctgccat	tcacacnnt	gtaaaattcc	accctggac	180
ctagtgaact	acttctaaca	angagaatac	agcaaaaagta	acatcgcttc	tgaggtagg	240
ctacaaggag	actacgatgc	ctgccttggt	cacccttctc	ctgctcttcc	catgctccc	300
ctctgatggaa	gccagttgcc	atgtgatgag	gtgccctatg	gagaggccca	cgtgacaagg	360
tatttgtaaaa	agcctctgac	caatagccat	ctagaaacgg	aggcccgatc	cagcagcctc	420
tgagatgaat	cctgccaaac	tgagcttgga	gacagattct	ctccctatcc	tgccctggga	480
tgatcacagc	caccaccaac	accttcaact	cctgggtgaga	ggccaagcca	gtgaacccaa	540
ggtaaactgg	acagaaatcct	gaccacaga	aactgagata	atgtttgtta	ttttaagctg	600
ctcagtttgt	tacagagcaa	tagataacta	actcaaacac	cataaaattc	taatatttta	660
ttctatcaca	caaacaccgt	aataccaagt	aaatgccatt	actatacaca	tatttttcta	720
acacaattac	atgtgatattt	ttaagaaggc	t			751

<210> 63
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (738)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<400> 63						
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gcatatcccca	acttcttagac	ctgctccaaa	ctagtgaact	ggatagaatt	tgatccccc	180
actcaactgtc	tgccgtgtctc	attgtgtgcta	acagcattgc	ctgtgtctctc	ctctcagggg	240
cagcagctgca	acggggggcag	gtcctaattcc	aactggggaga	agcctcagtg	gtgggaattcc	300
aggcactgtg	actgtcaagc	tggccaaggcg	caggattggg	ggaatggagc	tggggcttag	360
ctggggagggt	gtctgaagca	gacaggggaat	gggagaggag	gatgggaagt	agacagtggc	420
tggtatggct	ctgaggctcc	ctggggcctg	ctcaagctcc	tcctgtctct	tgctgttttc	480
tgatgatttt	ggggcttggg	agtcctcttg	tcctcatctg	agactgaaat	gtggggatcc	540
aggatggcct	tccttctctc	taccttctct	cctcagcct	gcaacctcta	tcctggaaac	600
tgctctccct	ttctccccaa	ctatgcatct	gtgtgtgct	cctctgcaaa	ggccagccag	660
cttggggagca	gcagagaaat	aaacagcatt	tctgatgcca	aaaaaaaaa	aaaaaaaaac	720

gcggccgaaa gcttattncc cttaaagtaa ggggttaatt tttagcttgg gcactnggcc 780

<210> 64
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (566)
 <223> n equals a,t,g, or c

<400> 64
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 gagctcgccc gccagaagaa tatgaaaaag cagagcgact cggttaaggg aaagcgccga 120
 gatgacgggc tttctgctgc cgcccgcaag cagagggact cggagatcat gcagcagaag 180
 cagaaaaaagg caaacgagaa gaaggaggaa cccaagtagc tttgtggctt cgtgtccaac 240
 cctcttgcgc ttgcctgtgc tgccctggagc cagtcccaac acgctcgcgt ttctctctgt 300
 agtgctcaca ggtccccagca ccatgggcat tccctttgcc ctgagctctgc agcgggtccc 360
 ttttgtgctt cctccccctc aggtagcctc tctccccctg ggccactccc gggggtgagg 420
 ggggtacccc ttcccagtggt tttttattec tgtggggctc accccaaagt attaaaagta 480
 gctttgtaat tcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaaaaaaaaa aaaaaaaaaa aaaaanncggg gggggggccc cccccccc 588

<210> 65
 <211> 945
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<400> 65
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 tttggcaagt gagaagatgc agataggcaa aaagraaaaa aaagagatca cacagagatt 120
 cactgttaac ctttgggtga taataaaatc agacactttc ctttgcatca tgccacatag 180
 aaa-gtacaa ataaagtgtg catatataca cacatatatg tatacactgt tttgcaactc 240
 gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
 attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcatg tgtaaatctc 360

agcaacatcg	aatgactgga	gtaaaacgat	agcaaatatt	tatcaagaaa	gtgcagacaa	420
acggaagaca	gtggcaacat	taataacaga	aaacaattga	attgtcagag	aaatttaatta	480
aatgggataa	ggacgggtccc	gagaatgcct	atgggttagaa	tgacagagccc	taaatcttctt	540
tctyagaccc	cttatctctct	ccaaacacct	ttccatctca	tctccctccc	ttgtcatttc	600
ttctatttta	aaatgcctat	agtcctatgc	ctcttttaaat	tcttcggagag	actgaagcag	660
ctctgtctca	aaattccctct	ctgtttgtcg	gggttcaaat	tctccatacg	ggcgttttttc	720
ctccctctct	ggcacgctgc	actttggctt	tcctttcggtt	tctttgcagg	gttttttgcat	780
gatgtgtgtg	ttgtttctcg	cttaacctcg	tgcggtgttag	ttctctgcctc	ctttttctctc	840
cccagatgtc	tgtgaacaca	gatactggga	cctctctctt	cccttgccca	caagcacgca	900
cggcacgctt	gtctgcaggg	cagtaaggag	ctgtgtacctc	gtgcc		945

<210> 66

<211> 1866

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (674)

<223> n equals a,t,g, or c

<400> 66

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acaagagcat	cttggatgta	ggacaatgga	agagtttagat	gctcttatcgg	aggaactgga	120
acgctccacc	cttcaggaca	gtgatgaata	ttccaaccca	gctcctctctc	ccctggatca	180
gcatttcaca	aaggagatca	accttgatga	gactctggag	atpccctttca	ttcaggataa	240
cacaagtccc	ttgccggcgc	antcgtgtat	actaccaata	tccaggagct	caatgtctac	300
agtgaagccc	aagagccaaa	ggaatcacca	ccaccttcta	aaacgtcagc	agctgtctac	360
ttgatgagc	tcatggctca	cctgactgag	atgcaggcca	aggttgcagt	gagacagat	420
ctgggcaaga	agcaacttacc	agacaaagc	gatcacaaag	cctccctgga	ctcaatgtct	480
gggggtctcg	agcaggaatt	gcaggacctt	ggcatttgcca	cagtgcctcaa	ggggccattgt	540
gcactctgcc	agaaaccgat	tgtctgggaag	gtgatccatg	ctctaggggca	atcatggcat	600
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tactgcgtct	ctcccatcct	ggataaaagt	ctgacagcaa	tgaaccagac	ctggcaccca	780
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aattctataa	attctcttttc	tcctctctctt	ctccaatcaa	gcacttgagg	ttagatctag	1500
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ggttttctta	ggltttctca	ttttcacctc	tagtgatggc	ctctactcata	ttcttcttaa	1620
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caatcaactgc	tgtggaatca	tgataccact	tttagctctt	tgcactcttc	ttcagtgtat	1740
ttttgttttt	caagaggaag	tagattttaa	ctggacaact	ttgagtctgt	acatcatgga	1800

taaataaaact ggcttgggtt ttcaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
 aaaaaa 1866

<210> 67
 <211> 1152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (568)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (745)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1015)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1088)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1110)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1113)
 <223> n equals a,t,g, or c

<400> 67
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 caagcactgc atctgcttag tgaaggattt attgttcgga agatacattt tcccttkag 180
 cagagagatgg cgtatcctgg cagtcttcgg cgagccagtt gtaccaggat tatgaaatgc 240
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 tgcacttytt agttggcaga gaggaccact atggcgggta gctctttct ttcttgccat 360
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 agcttggcac gtgaaagccat tcatgacitt gtaaggcagt ttgtgtgaag gccagttctg 480
 ccctgggagg gacggaggtg aatcctcctg agtacctgtg gttttcttac ttctgtctga 540
 atttacctaa gtgcctgttg ttgtttgct gtggaggctt ctgtgtattt catttcaggt 600
 gcagatgcct tcactttccc accraaaaaa ccccmaccaa acctagacc ttactgcaac 660
 taagtytncc aagtactttt taacccaatg ggatgaacag cctgtgtgct gctcagatca 720
 cctcgagtcg gtgtgagaag gcmtnngcct tgccaggaaa tccagggaag cagggccggg 780
 ctgtgttgga agctggccta gctgtggggg cagccttatt tcaattaaaa gggcattgac 840
 tgggagcagc agtccctggag ttgtttgcat ttctatttgc cctcaaaatg agaaaccagg 900
 aaaatagcag attggagcct tcggaagagg agtaaatggc tgtttttatt gacaaaagg 960
 aacatttta ctgcatctc actgatggca tctcactgac ttaaaatgaa ggcangttgt 1020
 agtaaaaaaa aaagtctaca ttvtccacc gccacgttct tatatcctgt ttgtcagcca 1080

<400> 69
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 tataacctcc ggggtcccttt gctcctcttt ccttagactc cctccaaact cgtgtatcct 180
 tctttcagca gtactgggct ccacgcgaac ctagtccctt gtctttaccc tattacctt 240
 cataaacatcc tagttgaaa gtarttattc aaccgcgttt gaaaatgaga acaggttcac 300
 agargctagt ttacttgca aggtcgttca attagtaacc agtaacgca ggactgccag 360
 ttttttgcct ccgaattctc atggtagctt tcaccargct ccccgctcma tctcaagctc 420
 aactactgaa ctgatttagc aaaaaggctt tttaacgaa ttctgtgtt tcagagagag 480
 tttctttcat gaagcgcgcc atttctacag aggaaaataa actccaagca gccagt 536

<210> 70
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 70
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 agctcgcctt tcttgccag aggcgcgcgt tggactcacg ggccgggcat gatgtgtgtg 120
 ggtaaggcca cctcgcctgc gctcctctcc cctctgtccc tgcgtgcttt tgcgtggatg 180
 cagatgtaca ggcgtcagct ggccctccac gactgggtca ccattccagg cgccctgctt 240
 gggtcgggtc tcttcgtgtt ctgcctcact gcttcaata atctggagaa tcttgtcttt 300
 ggcaaaagat cccaagcaaa gatcttccct gagattctcc tgtgcctcct gtttgtcttc 360
 ttgtcatctg gctcatccca ccgagctcgt gtcaccacct gcttcatctt ctccaggttt 420
 ggctctgact acatcaacaa gatctcctcc accctgtacc aggcagcagc tccagctctc 480
 acaccagcca aggtcacag caagagcaag aagagaaact gacctgaat gttcaataaa 540
 gttgattctt tgtaaaaaaa aaaaaaaaaa aaaa 574

<210> 71
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (884)
 <223> n equals a,t,g, or c

<400> 71
 tcatcatata caaagttttt cgtcacactg cagggttgaa accagaagtt agttgctttg 60
 agaacataag gtcttgtgca agaggagccc tgcctcttct gtccctcttc ggcaccacct 120
 ggatctcttg ggttctccat gttgtgcacg catcagtggt tacagcttac ctcttcacag 180
 tcagcaatgc ttccagggg atgttcattt tttattctct gtgtgtttta tcagaaga 240
 tccaagaaga atattacaga ttgttcaaaa atgtccctct tttttttgga ttttaaggt 300
 aaacatagag aatgggtggat aattacaact gcacaaaaat aaaaattcca agctgtggat 360
 gaccaatgta taaaaatgac tcatcaaatt atccaattat taactactag acaaaaagta 420
 ttttaaatca gtttttctgt ttatgctata ggaactgtag ataataaggt aaaattatgt 480
 atcatataga tataactatg ttttctatgt gaaatagttc tgtcaaaaaat agtattgcag 540
 atattttgaa agtaatttgt ttctcaggag tgatatcact gaccccaagg aaagattttc 600
 tttccaacac gagaagtata tgaattgtct gaaggaaacc accggtctga tatttctgtg 660
 actcgtgttg cctttgaaac tagtccccca ccacctcggt aatgagcttc attacagaaa 720
 gtggaacata agagaatgaa ggggcagaa atcaaacag- gaaaaggaaa tgataagatg 780
 tattttgaa gaactgtttt tctcgtagac tagctgagaa atggttgaca taataaag 840
 aattgaagaa acacatttta ccatttaaaa aaaaaaaaaa actngagggg ggcccggtac 900
 ccaaatgcgc gcatagtgtat cgttaacaat ct 932

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72
 cgccctggcgc catgaggagc cctggggcctc tgcctgtgct gctgctgctc ctggcgggag 60
 cccccggcgc gggggccact cccccgacct gctactccgc catgagggccc ctgagccagg 120
 agatcaaccg cgacttcaac ctccctgcagg tctcggagcc ctggagcca tgtgtgagat 180
 acctgcccag gctgtacctg gacatacaca attactgtgt gctggacaag ctgaggagact 240
 ttgtggcctc gccccctgtg tggaaagtgg cccaggtaga ttccctgaag gacaaagcac 300
 ggaagctgta caccatcatg aactcgttct gcaggagaga ttggttatcc ctggtggatg 360
 actgcaatgc cttggaatac ccaatcccag tgaactacgt cctgccagat cgtcagcgct 420
 aagggaaactg agaccagaga aagaacccaa gagaactaaa gttatgtcag ctaccagac 480
 ttaattgggccc agagccatga cctcacagg tcttgtgtta gttgtatctg aaactgttat 540
 gtatctctct accttctgga aaacagggtc gggtattccta cccnggaacc tcccttgagc 600
 atagagttag caaccatgct tctcattccc ttgactcaat tcttgccagg atggttagat 660
 acacagcatg ttgatttggg caccataaaa gaagaaaagg actaacaagc ttccatttta 720
 tgaacaacta ttttgagaac atgcacaata gtatgttttt attactggtt taatggagta 780
 atggtacttt tattctttct tgatagaaac ctgctttacat ttaaccaagc tctattatg 840
 ccttttttcta acacagactt ttttcaactgt ctttcattta aaaaagaatt aatgctctta 900
 agatataata tttatgtagt gctgacagga cccactcttt cactgaaagg tgatgaaaa 960
 caaataaaga atctcttcac atgaaaaaaa aaaaaa 996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73
 ggccagaggg gctttgcgta cacaatagct gctaggagta cccaaagcct gartacarcc 60
 tgcctggtgc atggccacgt gtgagcaggc cagcgtcaaa cgctgcctgc tgacccgtcc 120
 cgragactga aatgggcctg ggtctcttcc tkgtcctgtg atwaaagtcc tctcttgaaa 180
 gtggagagca aaggccacaa gaggtgcgag ctcaacaaga ttccctccgc tgactgggta 240
 atcaatgtta ctgctgtttc ctttgacagga aagaccacag caagatctct tcattcgtct 300
 cctcttagcc tgggggacca ggctcgaaat gaccctggac atcaaaaggag ggaattatgt 360
 gctgctaaaag ccattcgccc acagccctgt tcactctctg gtgcttctct ttcccaggag 420
 ctggtccccg ccaggccacac acaaaaggca gattctcgt aacscagcct cccctccctg 480
 aggctgcccc ctgcccctgga tctggagtgg agctgctctg agatttttgg tctctctgca 540
 gagatgatta aatatatcca agagacattg gaaaaacctg tgaacatttt acatttggtct 600
 gctcagcaca tggcctggat cggatatttc tataattcca gaaagtccca cagctcctct 660
 gtatgagacc agcgggcgccc atttaaaaaa acaggatgag aatctaaagt atattatcaa 720
 taaatgtaat ggaatttttt tttgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaa 785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74
 tccctaccat tcccttaggn cagggtccctg cagggtccac acttctccca ggtccctaaa 60
 cttgggtcgg tcccttccct ggagtagctg gntccctcag tccaggtccc tgttcagctg 120
 gttcttaggc tccctgcacat gaagggtgtgt gcctgtgggtg tgtgggctgc tctaggagca 180
 gatacaggct ggtatagagg atgcagaaag gtagggtcag atgtttaagt ccagacttgg 240
 cacatggcta gggatactgc tccactagctg tggaggtcct caggagtggg gagaatgagt 300
 aggagggcag aagcttccat ttttgcctt cctaagaccc tggttattgt gttatttccct 360
 gcccttccga gtccctgcagt gggctgcctt gtaccttgaa cctcatgagc ctctaaggga 420
 aaggaggaac aattaggacg tggcaatgag acctggcagg gcagartaca agcccgacac 480
 cagtggtccc gccttactgg gtcccttacc tggggcaaac agggggggct gatacctcct 540
 tgcctcttct agatgccacac ctccctacaat ctacagccac aagtcctctc caccctaggg 600
 ggcctgtgcg atggcaataa ctcataatct gatttggagg tttgccttct acagggggcag 660
 attttctgct cagttcaaca atgaaatgaa gaggaactcc ctctttctag agctcacttc 720
 tatcagaggg ccaggtgcct cagagccaca ttgagtgtct tttcttgagg tgaggaaagta 780
 ggggttaact ccccgatttc ctgagggagg ctccctgacag gtgccccttg tcagacccta 840
 ccacagctcg gataggcagc cacattggct ctgcctcttg ctcggnactc cgtggttgytc 900
 ctgcccctct ccttgcatgc ctgtgggtct gctctggtgt gtgaaggtcg gtgggttaac 960
 tgtgtgccta ctgaacctgg caataaaca tccctctgca aagcccaaaa aaaaaaaa 1020
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1069

<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75
 ggacattaga tccacttgga cctaaaaaca acaaaacaact ataaggaaaa tggcattaga 60
 aatggtctgg ggatcagttt atcactgcag ttgttacatc accccatggt ctaaaaataca 120
 gagctttagt ctgtctctgt ttccagttcat ttacaggag gtgaacatca cactccaga 180
 aaactctgtc tggatatgaa ggtataaatt tgatattcct gtctttcaat tgaatggcca 240
 gtttctgatg atcgctcag taaacacctc aaacttgaa aaacagctcc tgaactctga 300
 gcagcaagat actggargct gactgatgcc ctcatgatt tccccccttc attcccataa 360
 agcatcttcc taaggaaagt amcatggcct gatactcatt ttgtcacttg tacagagccc 420
 taaggatgtt ctgaattcag tgggtccaaa taaatgttga cattcccctt ttggttgatg 480
 gaagtatcag tgtgggaact gtttgcctaa tggcatttta taaaaataka akakcatatt 540
 agcaggggag gagatgatgg agggggggag aagtcattt gctttattta tcccttttgt 600
 attaatagag aagcacttca cagtcaactg caatgccatt tataggaga aggtttctgca 660
 ttctgtctgc tcccgagggg cttaactttt taatgaaaga ataaatgccc ttccactcag 720
 tagataaagc gaaatgtgaa ttgttaataa ctgtgcacgg tcaataaagc gatgttttaa 780
 ggaatacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaactcg a 831

<210> 76
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 76	
tatatataga cngttaatatg tcgtgantgn tgtgnacgaa cattaacgga agtagcatgt	60
agccagctga ataactntata aggacaaaagt ggagtccacg cgtgcggccg tctagactag	120
tggatccccc ggctgcagga ttccggcaaga gctgccaggt gaggagcaga gagactgttc	180
cccttgggtgg agaggtgtgg gcatgagagc caccattgc caagcagcaa gaatgttcgt	240
gcttttttcc cttccaaaat atgcagggtc caggctccca attccgggcc tctcgtctt	300
gcttgtgttt ctctcgtccc tgttctcccg gagggtcccag gtggaactca cgacagggag	360
ggagacgctt cccaaaaaac tgcagggtca ttccocagaa ttctgttttc aagtacaaaa	420
cttttctgtc tgttaagatat atgcagctcc acagaagcag cctctgcctc cactttacca	480
gctacgtttt tatcttaagc acatgggggt cccttagaac ttactccact gatttaaaaa	540
aaaaaaaaaa aaactcgagg gggggcccg taaccattcg ccctaaaagt	590

<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77	
gagccaccac acctggcctg gaaggaaacct cttaaaaatca gtttacgtct tgtattttgt	60
tctgtgatgg aggacactgg agagagtgtc tattccagtc aatcatgtgc agtcaactgga	120
ctctgaaat cctatttggt cctttatttt atttgagttt agagttccct tctgggtttg	180
tattatgtct ggcaaatgac ctgggttata acctttccct cagggttaga tcatagatct	240
tggaaactcc tttagagagca ttttgcctct accaaggatc agatactgga gcccacatac	300
atagatttca ttctactcta gctacatag agctttctgt tgcgtctct tgccatgcac	360
tgtgtgggtg attacacact tgacagtacc aggagacaaa tgacttacag atccccgac	420
atgcctcttc ccttggcaa gctcagttgc cctgatagta gcatgtttct gttctgatg	480

tacctttttt	ctctctttct	ttgcatcagc	caattcccag	aatttcccca	ggcaatttgt	540
agaggacctt	tttggggccc	tatatgagcc	atgtccctcaa	agctttttaa	cctcttgtct	600
ctctcaaat	attcagatca	tgaccactgt	catcctagaa	ggcttctgaa	aagaggggga	660
agagccactc	tgcgccacaa	agggtggggt	ccatcttctc	tccgagggtg	tgaagttttt	720
caaatgttac	taataggstg	gggcccgtgac	ttggctgttg	gctttgggag	gggtcaagctg	780
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gatgttgtga	ggcttgaaaa	ggtaaaaaaa	tgatggcccc	ttgagctctt	tgttaagaaag	900
gtagatgaaa	tatcggaatg	aatctgaaaa	aaagataaaa	tgtgacttcc	cctgctctgt	960
gcagcagtcg	ggctggatgc	tctgtggcct	ttcttgggtc	ctcatgccc	ccacacagctc	1020
ccaggaaact	tgaagccaat	ctgggggagc	ttcagatgtt	tgacaaaagag	tgaccaggca	1080
aaacttctgc	tacacatgcc	ctgaatgaat	tgtctaaatt	caaaggaaat	ggaccctgtct	1140
tttaaggatg	tacaaaagta	tgtctgcac	gatgtctgta	ctgtaaattt	ctaatattac	1200
actgtacaaa	gaaaaaccc	tgtctattaa	ttttgtatta	aaggaaaaata	aagttttgttt	1260
tgtaaaaaaa	aaaa					1274

<210> 78
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<400> 78						
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actaatttwa	gttaaatgaac	tagaaagaat	attgattttw	aagaaacaga	aaaatactac	120
ttatttttct	tctcaaataa	cgtttctttc	aaaaacttct	ggctgaagta	taacatgtctg	180
gtagttaaca	taaatcttgt	ctttctcttg	ttctttatct	ttctttgtta	tttagatgct	240
tgtataaagt	tcttttgttt	ttattaaagt	cctaattgac	agagcttaat	tgaagaagt	300
gccctaattt	attgaccact	taagaattgc	ctttattggg	gtattttatt	tgttctctgc	360
tctttttgat	gtgtgtcagt	ctactcatcc	ctgtgagtat	gtgtggggga	cagctgatag	420
aaggggaggag	agtggtgtcta	tgtccaggat	tgccttttag	ccactcagcc	agagatccac	480
agggagcaca	agggacagtt	tcacatgctt	agacttttct	ggaagaaaaa	gtgaggagga	540
gtaaagtcgt	agtagtgctg	agctggatgt	agaattgtcc	taaggcttcc	gacccacact	600
tccaacatgt	tttccattta	tttgcctctc	cctacatttg	ggtttaggtc	catttgggatt	660
tgcagcaata	atgactttat	ttctctcttg	gtcaggattt	ggcacataaa	atccttttat	720
tatagaacta	gctatttttg	ttacatagta	atgtaactaa	tggagagatt	tatagagaat	780
tttgkttttg	ctgtcatata	tgtccatttt	ggagacagat	atgatagaa	tagaaattaa	840
gttgcatttc	tgcaagtgc	atttgaatga	acttcaagta	tcttcttaat	tattaaattt	900
tctgatgaag	gcattgtaac	aaatatatat	tattattaaa	tctaattaat	attgtgaaat	960
attataaatt	aggtattttt	tttactgtaa	aaagtcacac	ttcatattgt	agataaattc	1020
tattcttttc	attctttccc	ctgtttacat	cctttttaca	aagcttagtc	accaattaaa	1080
gctttcctat	caaaaaaaaa	aaaaaaaaaa	actcgagact	agttctctct	cct	1133

<210> 79
 <211> 661
 <212> DNA
 <213> Homo sapiens

<400> 79						
gaattcggca	cgaggggaaa	aggatgctga	acgagagcag	aaagcctctt	tccttttgctt	60
cacgcgcttc	cagctctttat	tttaaacctg	gggttccctt	ctgtgtgtgc	agcaacctct	120
actccacctg	cactgtctgt	cctgggggct	ccccaggcct	cctctgtcct	ttcacccag	180
tggtgtcagc	gatgcctgtc	ttgcctggac	gcaccaactgc	tctctgtctc	cctgacttgg	240
ctttttgtgt	gcctgtctct	gggggttgaa	ctggccccatg	tgtccccccg	agtcattggct	300
gctcctctctg	ggaggcctct	gtgtgtcgtca	cgtcttccac	acctgtggggc	agctgtggcag	360
cccgctctct	gttccccctg	gctgcttggc	acagagctgc	agcctggggay	tctccgtggg	420
cccagactcg	ggatttttgc	agggggggcga	tgggaggagc	agggtgctttg	cctggcggtc	480
gtgtctgcac	ttctggacgc	cccagagcac	agaagttgsc	ggcactttga	ggtcttctct	540

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ggcatgtgcc agattacatg agtgacggct ggggaatatgt tttctttttt gtaatggagg      600
cgtgtttcac atatagtaaa gctcaccaaa aagtaaaaaa aaaaaaaa aaaaaactcg      660
a

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<210> 80
<211> 1378
<212> DNA
<213> Homo sapiens

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<400> 80
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tcacctcggt accctggagg tccaaggccc ccattgagga tacctaatac ggcacttgga      120
gggtgccagc gaagtcagcc attactcccc agtgggaatgg atccaactcg acaacaagga      180
catccaaata tgggtgggcc aatgcagaga atgactctct caagaggaat ggtgccctta      240
ggaccacaga actatggagg tgcaatgaga cccccactga atgctttagg tggcccttga      300
atgcctggaa tgaacatggg tccaggtggg ggtagacctt ggccaaaccc aacaaatgcc      360
aattcaatac catactctct agcatctctt gggaattatg taggtctctc aggaggtgga      420
ggggcaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac      480
atgtatactt taatgaatgc agtacctctt ggaccctaaca gacctaatat tccaatgggy      540
cctgggtcag atggtcccat gggtggatta ggagggaatgg agtcacatca catgaatggc      600
tctttaggct caggagatat ggacagtatt tccaagaatt ctcccaataa tatgagcctg      660
agtaatacaac cgggcactcc aagggatgat gggcgaatgg ggggaaattt cttaaatcct      720
tttcagagtg agagttaact ccctagcatg acaatgagcg tgtgatccat taccaagctt      780
cccatgaaaa accacagtga gtcagccctt cacagaacta ctacggaaga aaattattca      840
tcacagtgtg cagttaaaca aaggaatctc agtcacacca aaccaacccct tttatttcct      900
gtctctctcc ctcttttgtg aagaaaagcg gtccaaatgt gattcaaaaca actgtacgga      960
gtggcatatt agaartgccc taaactgaac tgcaataaat tatgtgtgta tgtatatgtg      1020
tgggaaagag aatgtactgt atatgtgtat gttatcacaga catatacaca tacatacatt      1080
gaccacaggg acattgtaaa atattatcac atgacatctt aagttagaatt aagttagggac      1140
ttttattcca tccttttttt cacgtttaca ttttaattat tacaagtgtc tctgtccccc      1200
tcctgaactc attttgtgct gtgtatatca ctgctttata taagtattat ttttaagggtga      1260
accagatgtg tatggttttg taaatgtctg caatcatgga taggaataaa atcgcttatt      1320
tgagagcttt cattaaaaaa aaaaaaaaaa aacttcgagg gggggcccg ggtaccaat      1378

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<210> 81
<211> 1440
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (38)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (41)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1128)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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<222> (1129)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1440)
 <223> n equals a,t,g, or c

<400> 81
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 agtgaagagt ctgtggatta atgggccgtt aattaacagg ctttatcaat gtgtctctcaa 120
 gggagaggcc caaccctaata taaggagcta aacttctcga gtgaggggct gtgaggatgg 180
 aggtggagga ggcctctggg gcgggtgtgt gccggggccag cagatggcgc ctccctggct 240
 gagctgcccc caccgccagt tccctcattt ccactcagga aggcagagaa ggcagagtga 300
 tctctcaag gaagagcttc cccagccttc gggagcagct ggcaggggct ccgggaataaa 360
 gccctacaag ccgccgcctg cctccaactc actaaccttg cgctcttgt ctctcagatt 420
 caacgcgttc aacagaagcc atccccagcc cagcttaaat tataaagata gacaataact 480
 ctgttccaat ctgcgtgtgt ctctcttagt aaatactgta cagattttac catggagaaac 540
 ttttttttta gtttttacct tttcttaatt acccttattc cgaatggagc aacactttct 600
 accactgctg accattgtaa aataccgtgt atataaatcc cattgaaata atgccctgga 660
 atagaacatc tcaaatgctg cttaattaca gactcaggtc gattacttgt atttcatgta 720
 atgttctctc aagttagaca tctgtgtgcaa gaccaaccgg gagaccatgg aattgtcaaa 780
 agtacaacct gcagagtgtg atatttaatt taagacatta tttaaaaact cacaagctct 840
 caccatagat ttggagagca gtctgttttc tghtaatgtc gatactagaa actaatgtgc 900
 ttattttcag tttattcaag atttgaagat gtattttata gacaagtctt ctattttgaac 960
 tttgtggaac tgttccaatc aatcaatttc ccagttatga tagtatttca cattatgaat 1020
 gtaataccca gacatgatt gtaaagccga cagtatgttt ctattacaca acactttttg 1080
 atacagcgct tcttgtcttc actgatactg gagtctccgt tgtctcgnag gtcccttcga 1140
 gtttctagtt acagacacaa tcatactgtt attttttttt taatatggat atgctatcaa 1200
 actgtgatac acttataatt cactggctcc gcactcaggag atggagtggg gaaaactgta 1260
 ttaataacag tttgtatctg aataatctgt acggtttata cagtttgtgt tgttcagaga 1320
 tgttttaagt ttgatctttg ttttctaaaa gattaaaaaa gtaactggcc cactgtaaat 1380
 atacagcatg taaaattttc rtagtatata aatggcagca aatcacaaaa aaaaaaaan 1440

<210> 82
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1379)
 <223> n equals a,t,g, or c

<400> 82
 cccgggctgc aggaattcgc yacgaggcca gcagttgtct ccagttccagg aggtgtctct 60
 gtaccctgtgc cacagcccaa tcttgccact gctgacatct ggggagactt taccaaatct 120
 acagagatcaa ctctccagcca gaccagacca ggcacaggct ggcaccagt ctgacctgag 180
 cacgggtttt cctcatgtga ctctcgggaa ggcgtccctc catctgggcc aaaggaagga 240
 ggacgaagcc ctctcagct ggctgtgttt tggggcatga atctctcttc tctctctgt 300
 ctggctctgt tgacaaaacc ggcattgttt gcagtaaat ggcaccgtgt cacactgttt 360
 cctgggattc aagtatgcaa ccagaacaca ggagaagaaa agctccagga tccctgtccc 420
 catctgtctc ctgtatgtga gagagactct gagacttctt ccatcgcaat gacctgtatt 480
 aaacacaaagg cccccaagca aaagaagagg ttgagtttgc tgccaggatt cagacacgce 540
 ctccccaggg tctcagggtg tcacatgata acagtctcag gggagcttt ccgtaccac 600
 actggctgta gcacttcagt ccatctgccc tccagaggag ggtttctctc tgatttttag 660
 caggtttaga ggcctgcagct tgagctacaa tcaggaggga aattggaagg attagcagct 720

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tttaaaatg tttaaatatt ttgttttgcg aatgtgtgta tccgcactaa ctcatctttg 780
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gatttctctt ttgaagggtc aagaccgtga actgaaaaaa gtgtgtggct ttttgcggga 1320
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c

```

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens

<400> 83

```

actgcaccac tgcccagggt tcccggctgg atgaagacgt ggtccatgag gaagctggct 60
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ccaactatca ctctgagggt aaagatgaga agtagatcac ttaataagac aaaagcctgt 180
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ggggaagaat gagagacacg actcctctgt tcccattatc ccatctaaaga cccactacta 480
cctggggaag catctgattt agaaatgtgg gttagtgtcc agagaattga aaaatagaca 540
agagtcacag ctggcaggat aacctgtaac aacaagggt ttgaaaaatt aggtttgggt 600
taggagaggg agagacagat agccagaaac acaccagtg agaggagaga aaatgagtaa 660
agggagagct aatcctttt ccagtggaaa atgagtgata ttctggacat tcttcagagg 720
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ggcccccagc ctcaagcacc gctggctctg catgcttcac caccacctcc tggagtgtct 1560
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agggagcacg tttctctggc ggaagtggaa cgggggttaa agcattaaac ttcaaggata 1680
agatgctcaa caaaaaaaa aaaaaa

```

<210> 84

<211> 573

<212> DNA

<213> Homo sapiens

<400> 84

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gaattcgaca cgagcttggc agccttagaa ctgcargagc tgctttacca ctgggaaaaa 60

```

cgagcacagc	ctagcttgat	tttgatgtg	gtatcagatc	taaggtggat	ggaattcagg	120
acttccgtgc	tactctttga	ttttgtttta	tttttagaaa	tgcttttatt	tgcttttatt	180
atttattcat	cttcagagac	atggctctggc	tctgttgccc	aggatggag	gcatgggttg	240
atcataggcc	actgcagtgt	tgagctcccc	ggctcaggcg	atcctctcgc	ctcagctycc	300
ttagtagctg	ggactatagg	cacatgccct	accatgcctg	gctttgtcta	cttttgaat	360
gatgtcycaa	actagaaggt	ctattaattt	aaaaaattaa	ggatagcatg	ccataattaa	420
aaataataac	agtgggaaaa	ggcaccttcc	aatgattcag	acatcaactt	gtgatttaaa	480
aaaaacgaaa	ataaataata	ggaaaaaaag	gggaaaaagt	taaataaaaa	taaaattaaa	540
aaaaaaaaaa	aaaaactcga	ggggggcccc	gta			573

<210> 85
 <211> 684
 <212> DNA
 <213> Homo sapiens

<400> 85						
ctcttttgct	gtgtctacct	cttctcatctg	ctgcgcgcac	ataagcaccc	ccctgccctt	60
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caggctctcc	aggetgctct	ycacgtccct	tatgccacta	tcaacaccag	ctgcyggcca	180
gctacttttg	acacagctca	cccccatggg	gggcccgtct	gggtggcgct	actccccacc	240
cacgctgcac	acgggcccc	gggcccgtgc	gcctgggctt	ccacaccact	ccctgcacgt	300
ggcagctttg	tctctgttga	gaatggactc	tacgctcagg	cagggggag	gcctctctac	360
actgttcccc	gcctcactct	tttccctgac	cctcgggggc	ccagggccat	ggaaggaccc	420
ttaggagttc	gatgagagag	accatgaggc	cactgggctt	tccccctccc	aggcctctgt	480
ggtgtcatcc	ccttacttta	attcttgggc	ctccaataag	tgtcccatag	gtgtctggcc	540
aggccccact	gctgcggatg	tggctctgtg	gcgtgtgtgg	gcacagggtg	gagtggttga	600
gtgacagtta	ccccatttca	gtcatttctt	gctgcaacta	agtcagcaac	acagtttctc	660
tgaaaaaaaa	aaaaaaaaaa	aaac				684

<210> 86
 <211> 1036
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1020)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<400> 86						
tggaggcaga	tgacacaggag	aaaggttccc	gtccgcaccc	tctcagacct	gaggtgagc	60
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acaagccaga	ggagccccga	tgtgaggccc	cagatcacct	ccagggactt	ggggttccca	180
tctgaaatcc	tttatttttg	taccatgggg	tgggccccgg	gctgagaagg	aagaagcacc	240
ctccccccgg	cctcctctgt	ctgcacccgt	ggggctgtga	cttactctct	cctccagggg	300
cgggggcggg	ccccctggga	cctcttaagg	cccaagggtg	gccccaggac	ctytgggcag	360

```

agtggaytgc tcatggcaga tgtgtggcaa tgtctggcgt wgtctttccg gcamctgcgt 420
yccctytccc ggggtccccc gctgcattgg gtatgtgtgc ctccctggcc cggctcacatt 480
gcctccttga gccttagtcc aggggggtcac tyctccacc ccacctacct cacagggttg 540
ttgtgagggt gcacagagga gcaaaagtccc tgaaggccct caggcagtat atagggggccg 600
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gtttgcaaat ggagattcag gtatttggga tgcaggttgt ggggagctgg cctggcagag 720
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gccacgcgcc tggcctgggg ggcggggaga ggcagcagaa ggggctggcg aggggcgggtg 840
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gtttgacttc ccgggattgg tcttctgttc tcagctgtgt ccgacccacc catgtaataa 960
aacccaaagg aacagcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
ccnngggggg gncccg 1036

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```

<210> 87
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (805)
<223> n equals a,t,g, or c

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```

<400> 87
ttaaacaagt ggaatcatgc aatatgtgac cttttgctgc tggcttattt ttttttagcat 60
aatgtttttt aggttcaccc aagctgttagc atgtatcagc acctcatttc tttttctggc 120
tgaattattat tccatttatat ggatttacca caattcattt acctcatttc tttttctgttc 180
tgctgtctgg ctattgtgaa taatgtcttcg ataaacattc atatacaagt ttctatgtgg 240
ctttatgttt tcatttctct tggctatcta catgggagta gaattcttagt tcataatata 300
attttatgtt taactttcca aagaattgcc aaaaggtttt toatagtggc tgcattcatt 360
acattccacc cggcaatgta caaggatttc tatttttcca tctccttgca cttaccaaca 420
cttctttttk gtwatwattt tgttttttca ttattgccac cctagtggat gtgaaaggcg 480
atctatttgt ttgtatttgc atttctctaa tgacaaatga tatcactatt tttttatgtg 540
cttacggatc aaaggatttt ccttggagaa atgtcccttc aagtcccttg ccatttcaaa 600
atttggttat ttgtctttta ttattcagtt ttaagaattt ctggccaggc gcagtggctc 660
acctgtaact mtagcacttt gggaggccaa ggcgggcaga tcaattgagk tcaggacttc 720
gagaccagcc tggccaacat ggtgaaaccc catcttacta aaaatacaaa aattagctgg 780
gcgtgggtgg aggtgcattg aatctatct actcaggagg ctgaggcagg agaatcgctt 840
gaaccaggga ggcggaggct gcagtgcagc aagatcacgc cattgcactc tagcctgggt 900
gacacaga 908

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```

<210> 88
<211> 655
<212> DNA
<213> Homo sapiens

```

```

<400> 88
tgcaactggt cctctccccc agcaaatact gccttcttgt ttttctctga tggggcagg 60
gactacaaaa tccgccttgg tattcttcaa atgcataat attcctttct tgcagctcc 120
ctctcttctt agattagaaa actgcctcat tttctgtcca ctggatgtgc agtcccagct 180
tgctctcttc tctctccccc ctgttgcagg ttgtcttttt ttttttcttc tctcccactc 240
gggcagcaaa agttgttcca cagtggaagg ttagggatcc tcaagtttcty tcccagcttc 300
tgctgttgtt tcttagagta aattgccaat tctgtgtttt acagggaactc cttttttaa 360
aatggaatca gctgtgtccc catctactct gcaaaaattg catcttcttc tattttcaaa 420
tgagatttgt tcaagtttca aaaccacgtg aaataataaa tgtatagtag ttttcttttc 480
cttgggcatt gctwgatgtg tgaaaagggt ttagaaaaa taataaaatc ataaccgtat 540

```

ttgtttgact ttcaatttca tgggaatttt ttcagctaa actctaaatg gtgattargc 600
 aaaaaaaaaa aaaaaaaacy graggggggc cgggtaccaa ttgcccctat aatga 655

<210> 89
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 89
 tttttttttt accattttaa ataaatgaa agtgaccttc tgtttataaa aatctttgtc 60
 tgcattctctg cttatttctt tagaagagat tccaagaagc ggtgagtgat ttcacggcag 120
 cagagggttg ggacatatta cgggcgcgga tccctcttgg agtgagatga ctctccggag 180
 agatttagtc gtccacctcg cgtgtgaggc tgcgtcacac cccagggatg tgtctatcaa 240
 gatggaagat cttttacacg ctcttgattt tgtttgcctt tttttctatt actagtgaga 300
 atgaaacttt ttatatgatt attatccatc ataatacaac acaaaattact gcttcatgtt 360
 cttttacttt cctgtgaagg ttttagtgcc ttttaaaat tgctatatat taagcttgtt 420
 aatactttca tgctgtattt gtggccatca gtttcccccgc gcacaggctc gcacattttg 480
 ccttcacacg ctgggtgggtt ttctatttct acttctattt ctggttcttc tatcgtttta 540
 tgttcagacg ggtttctccg tgtagaaagc agttttatgaa gattttactt cgacagctctt 600
 ctctctactt tctacagtga attctctgay gtgtctggga gtwtgggggc ctgggtaaga 660
 tctctctctt caccctattc tctattacga tccacagcct catgctttat garattggtg 720
 gccgggacgc gcggagattt gcggatcccc caagccagac tttatcccc tatccctgcc 780
 tctggatccc acgtacaggc ctgggaactc cctgtgggta gggggcaatg gtctcgact 840
 ctacactgta ccccagggtc ggcacaggat ggtcaaggag agaggctgcc caagcgcatc 900
 cytctggtgt ccccctgaca cgccctccaa gtgagcaggt aggtttcaac agccccacgt 960
 tgcaagtggt agatgaagct caggggtggag accagtatct cacagttctc ttgcatggc 1020
 cgggtacttg ttagtcaact gatcaagtga aaattctagc cccagaggca ggagaatccg 1080
 gaacaaaatt aaaccagcca gg 1102

<210> 90
 <211> 1533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1527)
 <223> n equals a,t,g, or c

<400> 90
 ggcacgagcc gncacgggca gcgccccata gcgcaggga cccccctggca gcgggagccg 60

```

cggttcgagg ttatggatcc agcggggcgg ccccgggggc tgctcccgcc gccctgcggg 120
tgntcgtgtg tgctgaaccc gcgcggcgcc aaggggcaagg ccttgccagct cttccggagt 180
cacgtgcagc ccccttttggc tgaggctgaa atctccctca cgttgatctg cactgagcgg 240
cggaaccacg cgcggggarct ggtgcggctcg gaggagctgg gccgctggga cgtctctggg 300
gtcatgttyg gagacgggct gatgcacgag gtgggtgaacc ggcttccatgg agcgggctga 360
ctggggagacc gcgacccaga agccctctgt tagcctccca gcaggctctg gcaacgcscct 420
ggcagcttcc ttraaacatt atgctgggcta traggaggtc accaatgaag acctcccgac 480
caactgcagc ctattgtctgt gccgcgggct gctgtcacc atgaacctgc tgtctctgca 540
cacggctctg gggctgcgcc tcttctctgt gctcagcctg gccctggggct tcattgtctga 600
tgtggacata gagagtgaga agtatcggcg tctggggggg atgcgcttca cctgtggcac 660
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gatgccaccg ccagaagagc ccttatgacc cctggggcgc gctgtgcctt agtgtctact 1260
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gaatgaagtc ctgggtcagg agcccagctg gctggggcca gctgcctatg taaggccttc 1440
tagttgttgc tgagaccccc accccacgaa ccaaatccaa ataaagtac attcccaaaa 1500
aaaaaaaaa aaaaaaaaaa anccccgggg ggg 1533

```

```

<210> 91
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<400> 91
atcctctgga atctagggtg aagccaccaa gccctcttca cacttgcgtt ctgagcatct 60
gcagacttaa ccccatgtgg caatcaccaa ggcttatggc ttgtgtcttc cagaactgtg 120
gccagagctg taactgggac cctttgagct gaggctgaag ccagagcttg aagctcagca 180
gggcagtagc gccctgggac tggccctctg aaccattctt ttctcttaag cctctggggc 240
ttttatggga rgggctgtcc tcaagatttt tgaatgcctt ttggaggggt ttgtccttgt 300
cttggtatatt ggccttcttt tagttatgct catctctcta gcaagtgaaat gtttcacaac 360
ctgcctggat tctttctcta ccacagatcc agggctgcaa ttttacaaac ttttacactc 420
tgtttccctt ttaaatataa atttcaatgt taagtcaact ctttgcctcc atactgtatt 480
taggttgctg gaagtagcca agtcacctct tgaatgctt gctgcttaga aatttccctt 540
actaggttagc ctgggtctac acacttaagt tcaaaa 575

```

```

<210> 92
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (62)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (126)

```


<223> n equals a,t,g, or c

```

<400> 92
tccttttcac ttaagcacca cccgacaggg caggtactat taccatctcc gtttgacaga 60
tnaggaaacct ggcacaggaa gcatcttaagt ggattcccca ggatcgcccc actgtcagga 120
gcagantcag aatgggcctc agcatcaggc tcccaatcct gctcttcaac tgcctgcgctc 180
tgccctcttc tcwcccccacc tccccactcc agtgcctttg gtcattgccac tgcagctttc 240
agggccaatc tggattagcc tcttagtggt ctgtgcctcg cagccatttc ccaggcgacg 300
aattccatgt gccctcactg atgtagggtg ctctgtgtgc atttgtcaca tctatttgaa 360
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gtcaggaagg aaagggttaag gatgccagga aggtctttaa taaataacct gacttagatg 600
ggcaggtggt gctgargatt aagaacgtgt tcttctcga 639

```

```

<210> 93
<211> 858
<212> DNA
<213> Homo sapiens

```

```

<400> 93
cccccgggct gcaggaattc ggcacagag tggctggagt ctggctgcag agggaagaca 60
tcagcaggga gggagccagg gcctgtcaca tctttccctc ggccattgtc ctggctctttg 120
taagcccaga atctccccct cctggaaggg aggccagcac ccaggagggg cagcaggtgt 180
gctgtgaggg ttggagtagt gtgagaggtc agggtaacac agaattgccca tggacaccat 240
gtgggggtgc cctgggctgg gccacagaac agtgtccttc ctgctgcctc tccccctgag 300
cttcccccca gctgtcggtt ttatttgggtt gataccaatc agcagacctc gcaaggttggg 360
ggctccccag cctctcagtc ccaccactct catgtgccag tcaccctctac tgtaactgcc 420
caatgagtac ttcttgccca ctgccaagat agagccagtt taccacagaca ggggaattgc 480
agtagagaaa gagttgaata tacatagagc cagctaaatg ggagagtggg gttttcttat 540
tacttaaatc agcctccccct aaaattcaga ggtgagaatt ttccaaggac agtttggtgg 600
gcagggccta ggggaatggat gctgttgatt ggctagggat gcaatcatag ggggttagaa 660
aaggctcctt tgcaactgagt ccacttttgg gtgagagcta ccaaggagct gctgtctgc 720
tggccccggt agagccatct ggtgtcagga gtgcaaaaagt tgggccaggc acagtgggcc 780
acacttgtaa tcttagcact ttgggaggct gaggcaggag gaatgcttga gcccaggagg 840
tcgagggggg gcccggtta 858

```

```

<210> 94
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<400> 94
gcaggggaaat tcggccacag aggggtttca acagggcccg tgggtgagg tgcaracaca 60
aagcccataa gtgctggcct gttgggacaa atgagagaaa tccccatagg tgggtgatgac 120
agcgcaiyta gccatcytay tcttggggaa aatgaaacct gtgctctcat caaatgtcta 180
gttgtaaaaa cggaaaaaaa ttttaaga cactctgttc agcatctgtg tttatgtcta 240
taaaatgtag aaaactaaag cacagagatg ttaaattgtt tgtccaaggt ccaacagctg 300
gttagcagtg ttggtctggt gcacctttcta ctgaaccaca gtgcccgtcg gggaagtcct 360
cagcacagat ggtgctgctc atagctgggg tatgggcagt attagtagtt aaccagtcac 420
cccaagtctc catagtctag gtctctgttc agctggagggt tagggaaaaa cacaagaaaa 480
tcccttacc a ctctaccagt gttgggggat gtactaagag atcccc 526

```

```

<210> 95
<211> 426

```


gcagaaaagga gccacctggt ttatgcttgc ggaccacaaa ctctctctatc cagangacag
tttt

840
844

<210> 97
<211> 1985
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (332)
<223> n equals a,t,g, or c

<400> 97
agccctgctg aagtacaggt tttctctatc gttctgtctg ggcaatgaac gagcaacagc 60
aaaggagatc agggatgaat atgtggagac gctgagcaag atttacctgt ctactaccgc 120
ctcttacctg gggcgctca tgaagggtca gtatgaggaa gtcgctgaga aagatgatct 180
aatgggtgtg gaagatacag caaagaaaag attctctca aagccatcgc tccgcagcag 240
gaacaccatt ttcacctag gaacccgcgg ctctgtcatc tccccactg aacttgaggc 300
ccccatcctg gtgcctcaca cagcgcagcg gnagagcaga ggtatccatt tgaggccctc 360
tccgcagcgc agcactacgs cctcctagac aattcctgcc gcgaatacct ttcatctgt 420
gaattttttg ttgtgtctgg ccagytgca cagcactgt tccatgtgt catgggcccgt 480
acactcagca tgacctgaa acacctggat tcttctctag ctgactgcta cgtatgccatt 540
gctgtttttc tctgtatcca cattgtctc cgggtccgta acattgcagc aaagagggat 600
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<400> 98
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Figure 1

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tgccggggcaa cttctgcgta atcatgacta tctctaggat tctggcacc a ctctcttccc 1740
tggccctta agcctagctg tgtatcgga ccccccccc actagagtag tccctctcac 1800
ttgcggttcc ctatactcc acccctttct caacggtcct tttttaaac acatctcaga 1860
ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg cggcgcg 1907

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<210> 109
<211> 611
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (21)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (47)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (607)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (610)
 <223> n equals a,t,g, or c

<400> 109
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 ggcttcgagc ctcaaaagctg caatctgccc actctcaggt actgagacct tgtgggcttc 180
 agacaccagg aagaaagtgt ggatacagtc atttggtta aaaagggaaat gacccttcag 240
 aaacccgcgt tagcagtggt actcttgtaa gtgcctttac ttttaacgct ctctgtctctg 300
 aaaaagaggt gtttggttac gtgtgagcca acatcacgtt ttgttagctg tgattttacct 360
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 agaagggggt atggaaaagg gtgcgacccct ttgctgtaaa ctggagagac cagtcacaaa 480
 cagaggggaa ttttaagccc ttctcatcac ccaattggat gtttttgctt atagcaaaatt 540
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<210> 110
 <211> 2632
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (67)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2620)
 <223> n equals a,t,g, or c

<400> 110
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 tcatgtagtg acaaatcttg actcttgctc ctggaatttt tcaggcccaa actagcgcttt 180
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 gtgttgctct tcattctctt gctcttgga gctcaccgt caccactgtc gtttttcagt 420
 gcgggaccgg caaccgtagc tgcgcgcgac cggctccaaat ggcacattcc gataccgtcg 480
 gggaaaaaatt atttttagtt tggaaaagat ctcttcagaa ataccactat ctctctgaag 540
 ttgtgtagag aaccttgtag cctgtctttg aatataacct ggtatctgaa aagcgtgtgat 600
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gcacgagggg gggcccggtta cccaattcgc cctatgggan tcgaatgaga cc 2632

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<210> 111
<211> 2249
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (1579)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2226)
<223> n equals a,t,g, or c

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<400> 111
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ccctcttcac tctgtgcggc aagttcaaga ggtggaaagt gaacggggcc ttctctctca 180
tcacagcctt cctctctgtg ctcactctggg tggcctggat gaaccaatgac ctctctcgga 240
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aagaaaaaat aaaaagggtta gtgtttgggg gccggggggg gactgaccgc ttcataagcc 2160
agtacgtctg agctgagtat gtttcaataa accttttgat atttcccaa aaaaaaaaaa 2220
aaaaancccc gggggggggc cggacctgg 2249

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<210> 112
<211> 2198
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (123)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (621)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (640)
<223> n equals a,t,g, or c

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<400> 112
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aatttcggcag agcgccggcg gagccgaagt gctgggcccc ccgcgccgc tgctccgcg 120
gancccaaaa tcatgaagt caccgtgaag accccgaaga aaaggaggaa ttgcgcgtgc 180
ccgagaattag ctccgtccag cagtttaagg aagaaatctc taaacgtttt aaatcacata 240
ctgaccaact ttgtgtgata ttgtgtgtaa aaattttgaa agatcaagat accttgagtc 300
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aggatcattc agctcagcaa acaaatacag ctggaagcaa tgttactaca tcatcaactc 420
ctaatagtaa ctctacatct ggtctcgtca ctagcaaccc ttttggttta ggtggccttg 480
ggggacttgc aggtctgagt agcttgggtt tgaatactac caacttctct gaactacaga 540
ctgagatcga gcgacaactt ttgtccaacc ctgaaatgat ggtccagatc atggaaaaawc 600
ccytvtgtta cgcgatgctc ntcaaatcct gacctgatgn agacagttaa ttatggccaa 660
tccacaaatg cagcagtga tccagagaaa tcccagaat tagtcaatg ttgaataatc 720
cagataraat gagacaaacg ttggaacttg cccaggaatc cagcaatgat gcaggagatg 780
atgaggaacc aggaccgagc tttagcaaac tcccaggggg atataatgct 840
ttaaggcgca tgcacacaga tattcaggaa ccaatgctga gtgctgcaca agagcagttt 900

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tcactgagct	ccagcggcac	tgcacgact	gtgggtggca	ctactggtag	tactgccagt	1080
ggcactttct	ggcagagtac	tactgcgcca	aatttgggtc	cggagtagg	agctagtatg	1140
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caaaaactat	tgctgcccc	ctacatgaga	agcatgatgc	agtcactaag	ccagaatcct	1260
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aacagtggya	attcaagcta	ctgcattcat	cactctctga	tttatgttaa	tttttataaa	2040
acatcacctt	ttatagtttg	gtgaccagat	ttgtctctgc	atctgtccag	tttatttctg	2100
ttttaaacat	tagcctattg	tagtaattta	tgtagataaa	aagcattaaa	aagaagcaaa	2160
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<210> 113
 <211> 1043
 <212> DNA
 <213> Homo sapiens

<400> 113						
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taattttcca	tgataaaata	aaatctataa	ataataaaac	aagagaaaaa	agattcgaaa	180
cagccaggat	ggagcagtag	gtgagtaagg	aaacctggct	gcctctccca	tacttccagc	240
gctctcagag	aagatcagca	gaaagtctgc	aagaccctaa	gaacctacag	ccctcagctg	300
cacctctctc	ctcccaaggc	tgacaaaagg	gctactctac	tatttggctca	gcagctttct	360
tgccctaaat	caggccagcc	tcactcagtc	ctgtgacttg	gcccagggtg	tcagcttgga	420
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aagcaagctg	aacatataca	agatwaatga	aaatgcagat	ggaagctttg	actatggact	540
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ccagctagac	tgccaagatc	tgctgaaatc	caacctcttt	gcaggcatcc	actgcgcaaa	660
aaggtatttg	tccggagcac	gggggatgaa	caactgggtt	agaatggaag	kttgcaactg	720
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agccccagga	ataaatgggt	ttcttggctt	cctctctact	ccatcttgga	ccaggtcccc	960
tggttctctg	ctgttatttg	taaaactgag	accacaataa	agaaatctct	atattttatg	1020
aaaaaaaaaa	aaaaaaaaat	cga				1043

<210> 114
 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 114						
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aagcctactc tgacaccact ggtctgtagt accagaattg ttttgttaat ggaaagttaa 1560
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caacaaaaagt gtgacagaca cactaaaagc cctccaaact taacttgtaa cgtagcttca 1630
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<210> 116

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1136)

<223> n equals a,t,g, or c

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tgtctttgtca tcttcaggaa aaacacacac aggccatacc acagcccgcc cagtggaggcg 180
gtctttgtcca acagaccocgg gatgctgggtg gtggcctttg ggtctgctggt gcctccacatc 240
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<210> 117
<211> 503
<212> DNA
<213> Homo sapiens

<400> 117
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tgctcttggg agaaaccagcc tctccatbgy aggaagagctt gggatctgccc tccccactg 180
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caaatagctg agcgawtagc gcagaagcaa tattgaagac ctaatagctg agacatttcc 360
agaactgata aagtgcatac agccacagat caagcagccc agaaaaatcc agaggcagctc 420
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<210> 118
<211> 1071
<212> DNA
<213> Homo sapiens

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<400> 118
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cgcccgcctg aagaaactac aagagcaaga gaaacaacag aaagtggagt ttctgtaaaag      180
gatggagaag gagggtgtcag atttcattca agacagtggg cagatcaaga aaaagtctca      240
gccaatgaac aagatcgaga ggagcattact acatgatgtg gtggaagtgg ctggcctgac      300
atccttctcc tttgggggaag atgatgactg tcgctatgtc atgatcttca aaaaggagtt      360
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cggaagggga gcagccaaaag acgcagccca catgctacag gccaaataaga cctacgggctg      600
tgtgcccgct gccaaataaga gggacacacg ctccattgaa gaggcctatga atgagatcag      660
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cccagctccc ttgcacctcc ggggcagggc agggggcagg gagagacaag gctgctgcta      780
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tgtgtgtgtg agagtgtgaa tgcacaggtg ggtatttaat ctgtattatt ccccgttctt      960
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aaaaaaaaaa aaaaaraaa raaaaaaaaa aaaaaaaaaa aaaaaaaaag g      1071

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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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cggggggctg ggctgtgcc acagggnctg ggagctcgtg gttctgagca gccagctggg      180
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tgctgtgtct gaaaggcgtg gttggagacc agctgctttt ctgcgtgttt tctctcttagg      480
agattaaaca aaaacagaaa gcacaagacg aactcagtag cagacccccg acctctccct      540
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acgggcatgc	gccgggggccc	gtcccaaac	tcgcagggct	ccagcaggcc	aaccggcacc	660
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gccacggggc	gctgggggctg	gtgtgggtgg	gcctgtgtg	ctggatttgt	agcttatctt	1020
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aaactttggg	ggggggggccc	n				1101

<210> 120
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 120						
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acccttatct	tgcaatatgt	tcggggccac	cttccactcc	ttggtttctg	ttccctcttg	180
gcctaaactg	ttccctctcc	acttcacatc	cccggtggga	cagcattctt	cttctctccc	240
aacctccctc	cgtctcarea	aaaaaaaaaa	aaaaaaaaaa	tt		282

<210> 121
 <211> 2635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2605)
 <223> n equals a,t,g, or c

<400> 121						
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caactctgaga	ccatgatctt	ctctcttgcca	ggggagagcc	accacacagg	catgtccagc	180
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<210> 122
 <211> 994
 <212> DNA
 <213> Homo sapiens

<400> 122						
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gttcagaagc	gcatagaccg	tggcggacgg	gcaatcgag	gggcacagaa	aggaactgag	240
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cctccaggcc	ggcgcgggac	atgtcgtccg	gaaacagacc	cagtctatgc	tggatgatga	360
cccacctctc	tctacgctgc	tcaaaagacta	ccagaatgtc	cctggaattg	agaagggttga	420
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aaaaaaaaaa	aaaaaaaaaa	aaaaagggga	gggg			994

<210> 123
 <211> 1542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1445)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1515)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1520)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1535)
 <223> n equals a,t,g, or c

<400> 123
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<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

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<210> 125

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1286)

<223> n equals a,t,g, or c

<400> 125

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tttcacattc  atcggagctg  aatgttcagg  acccttccc  attgaagcta  taatttattt  660
ggaccgaagg  agccctgaaa  tgaattccaa  aattaaatt  catcgcaatt  cttctgtgga  720
aggaccttgt  gaaggaaatt  gtgcgtgatt  agtggtatgt  gctatctggg  ttggcacttg  780
ttcagattac  ccaaaaggag  atgcttctac  tggatggaat  tcagttcttc  gcatcattat  840
tgaagaacta  ccaaaaataa  tgctttaaatt  ttcattttgt  accctctttt  tcatctatgc  900
ttggaatggt  tcatctaaat  gacattttaa  ataagtttat  gatacatct  gaatgaaaag  960
caaaagctaaa  tatgtttaca  gaccaaaagt  tgatttcaca  tgtttttaaa  tctagcatta  1020
ttcattttgc  ttcaatcaaa  agtgggttca  atattttttt  tagttgggta  gaaactttc  1080
ttcatagtag  ctctctcca  accataaatt  tgggaatatt  gttcgggct  tttgtttttt  1140

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ctcttagtat agcattttta aaaaaatata aaagctacca atctttgtac aattcgtaaa 1200
tgtaagaat tttttttata tctgttaaat aaaaattatt tccmacaacc ttaaaaaaaa 1260
aaaaaaaaa aaaaaaaaaa aaaaanaa 1288

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<210> 126
<211> 1517
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (159)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1123)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1510)
<223> n equals a,t,g, or c

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<400> 126
agtggtcttaa aggcattcgt ttagggaatta ctgggaagta tcttcaaagt aatacatgag 60
aaacattcct tcttaaatcc ttattatata tgaatatcgt attaatgggt ttccagaggg 120
taaattaacc atgtattcct gcaataaatg tcaattgnt cttgtatata atctttttta 180
tatattaccg gattgattca ttagtatttt gttgaggatt ttgtgtctta tattcataag 240
agatgctggg ctgcagtttt ctttttttgt gataatctgg tttttgtatc agtaatacag 300
gccccatgaa acgagttggg aagtgttcac ctctcttcta ttttttcaag agtttctgaa 360
gaattgctat taattcttta aatgtttggg agaattcacc attgaaatca tgtgtctctg 420
gotttttttt gaggggaagtg ttctgataac taattcagta tctacttttt atagctctgt 480
tcagattttg ctctctctctg agttagtttt ggtaatttgt gtatctctag gartttgtcc 540
atttcattta tctcatttgt tggcataaat taaactaaat ttggcctgag cctacctgta 600
tatcttgagt cctctgttaa ggaactgag cctaacttgt acataaacaa actgaaatcc 660
tcaattagga atgtagtttt tghtaacagt cctgagcttc aggcagtcac agcagycag 720
tcgttcaatt gcaggctgct aactaagcag cccatgctca aatgaggcaa aaacctttgc 780
ttttaacaca tagtatagct ttgtaatcct ttctctgca acccggttaa ttctctctct 840
tttcattccc kgwattttcc akgaatatga rctcycttt ttccccctcc tctcagctca 900
gttaattggt tgtcaatttt gttgatcttt tgaaraacaa acctttgggt ccaattcttt 960
gttgcatatg ctgattatcc tcataatttg agtgggaaagc tgatctttga ttacttattt 1020
tacttagggc tgaggagttc atggaacttcg caaaacctcc ttgaattctaa attgcatctt 1080
cttctcctggg tctctgggctg aaacatgttt ttctccatct wanawacct tgggtcttttc 1140
atkggcgact aagactagag aaagtcttag atmccttgtt cttctatgtc gtcattttgt 1200
ttaagggtct tctatgtagt aaaactatct atatagacaa aatagagcct tgagtgtgtg 1260
tcttgaaatt gatcaacatg atttaccaca ttctgtactg gatattctct cactgtctgc 1320
tactgtaaac caattttatt ttggatcttc tgtagagtat attatcacag gactctttta 1380
cagggtgtgc taatctttgt gcttccctgg gcacattgaa agaagaagaa ttgtctctggg 1440
ccacacatca aatacgtctaa cactaataat agttgatgag ctaaaaaaaa aaaaaaaaag 1500
gcaaaaaaag cccaaaaa 1517

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<210> 127
<211> 1073
<212> DNA
<213> Homo sapiens

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<220>
 <221> SITE
 <222> (495)
 <223> n equals a,t,g, or c

<400> 127
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 ttctgcagctg tgaatatagat tgggtttggaa aatgaacctg gctttgtctat aaattacatt 120
 cacaggcctt ttgcgaaatg tgttaacttgc ctatcaaatg agtttttagg gcaaacgcag 180
 aatacatgtc tccatcttgt aaagtacctt wctatcatgt gggaaatcaa gtatgatcag 240
 aacttgggtcc aatagtccaa tttgttaaaag ccaagggcca ttctcttagt gatgggctgg 300
 aggaagtcca aaaagcagaa atgaaaagctt acatggaatt agtcaacaat atgctgttga 360
 ctgcagagct gtatcttcag tgggtgtgatg aagctacagt aggggmgatc actcatgmta 420
 ggtatggwct tccttaccct tggcctctgw wctatatctt ggccctatcaa aaacagtgagg 480
 aagtcaaacg taagntgaaa gctattggat ggggaaagaa gactctggag caggtcttag 540
 aggatgtaga ccagtgtgtt caagctctct ctcaagact gggaaacaaa ccgtatttct 600
 tcaataagca gcctactgaa ctgtacgcac tgggtatttgg ccatctatata accattctta 660
 ccacacaatt gacaaatgat gaactttctg agaaggtgaa aaactatagc aaacctcttg 720
 cttttcttag gagaattgaa cagcactatt ttgaagatcg tggtaaaagg aggcgtgtcat 780
 agagtatatgt gttagtctca ggagtcttaa cttttgaaat atgttttact tgaatgttac 840
 attagatatt ggtgtcagaa tttttaaacc aaattactgc tttttgaaac ctcaaatatt 900
 ataatgtatc ttatgtatgt gctttatatt gttatttctg tatcatattaa aataattctg 960
 aattattttaa tctgatattg tttattctgt atcttgaat ttttgtttcc ttgaaacatg 1020
 catgcattta aaaataaagc ttaaaccaact gtaaaaaaaa aaaaaaaaaa ctc 1073

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (294)
 <223> n equals a,t,g, or c

<400> 128
 caacccctgc cttttttttt ttttccattt gcttggtaga tcttctctca tccctttatt 60
 ttgagcctat gtgtgtctct gcccgtaga tgagctctct gaatacagca cacttactgg 120
 tcttgactct gtabccaatt tgcagctctg tctctttcat ttggagcatt tagccatttt 180
 acatttaagg tkaatattgt tatgtgtgaa tttracytr tcattatgtw gttagcttgt 240
 tattttgctt gttagttgat gcagtttctt cnggcacatc atggctctta caanttgcca 300

<210> 129
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1152)

<223> n equals a,t,g, or c

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<400> 129
ggcagagccct gtcacctgctg cccctgcaaa aaaaaccccc tctgggtgtga gcaggatggc 60
tggaggttat gtgagctcct tctcctttcc tccagtttcc tcttcccttc tccctccctgc 120
ctcttttctg tttccctttc ttcctgggtac cccctgcccc ttcctgtatt ttctcccatc 180
gccattctcc cctctccacc tgtccctaac ccgttcaaac tctttcctct taaaagggtg 240
agatttttcc tcaccagaca caccaccagta ttaactaaac tagctgcaaa caggcagcaa 300
gtggcttacc atgacagatg ggttttgtgt gtgtgtgtgt gtgtgttaatt gtaataaaac 360
atattgarc acccaataaa cacagagtgt ctactacatg tatcargcac tatcatagat 420
gctaattaac gaaactgaaa tggccaggcc ctccacagtgt ctcatgccta taatccaccag 480
actttggggag gatgaggcag gaggatcact tgaggccggg agttcaagac cagcctgggc 540
aacatagtaa gactccatct ctacaaaaaa aaaatttttt ttattatact ttaagttttg 600
ggttacatgt gcagaacgtg tagttttgtt acataggtat atacgtgccc tggtagtttg 660
ctgcacccat caacccatca cctacattag gtattttctc taatgttacc cctctccctag 720
ccccccccc cgtgacaggc cctgggtgtg gatgttcccc tccctgtgtc catgtgtttc 780
catctggtcaa ctccaccta tggagtgtga acatgtggtt tttggttttc gatccttttc 840
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catccctttt tatggccgca tagtgttcca tgggtgtata tggccacatt ttcttaactc 960
atcattgatg gacaagtttt gctattgtga atagtgtcac aataaacata cgtgtgcgtg 1020
tgtctttata gcagcatgat ttataatcct ttgggtatat acccagtaat gggatcactg 1080
agtcaaaatg tatttctcgt tctagatccg taaggaaatg ccacactgtc ttccacaagt 1140
tttgaaactaa tntacactcc caccaacagt gtaaaagtgt ttctattttt ccacaacctc 1200
tccaacatct gttatttctc gactttttta tgaacgtcat tctaactggc gtgagatggc 1260
atctcattgt ggtttt                                     1275

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<210> 130
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (472)
 <223> n equals a,t,g, or c

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<400> 130
cngaaacccc gtgaaccctc cccgggttaa aaagccccc ctaaatgggg ggaacgcytc 60
acacgtttata aaaaagcact agaattgttt gaaagcgaga aacaacagct gtgcagggtta 120
gctagcagtt agtggtgtac agaagacaga tatttgtgca tttgtgcatt ttctaaagttt 180
gctgcaaatga gcatgtatta ctttcatagt tataaaacac atgcaaaatg ccttttttaa 240
atgaaaaaaa atccatgagt gcaagtgtata tataatgcttt ggaagacgctg ggacggtcat 300
tgtttactct caatagtatg tgtttgcctt tgtctttttg agacattttg tttaaatctg 360
ttgatgacaa taacctgttg ataatataac ttgataacaa aaaaaatgac ttatgattga 420
awmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nn 472

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<210> 131
 <211> 1950
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1933)
 <223> n equals a,t,g, or c

<400> 131
 acctctcaga atctttctctc agcaacctga gtcttcgccc ttcctcagag cgcctcagtg 60
 acacccctcg atcctctccag tcacctctccc tggaaattct gctgtccagc tgctccctgt 120
 gccgtgctcg tnatctgctg gtgtatgatg aggaattcat ggctggctgg gcacctgatg 180
 actctaacct caacacaccc tgccctctct gccctgccc ctttntgccc ctgctcagtg 240
 tcagacctt tgattcccg cccagtgtcc ccagcccaa atctgtctgt gccagtggca 300
 gcaagatgac tcctgtctctc ggtggtcctg gccctgtgct cagtgcacga agctctgcct 360
 tgctctcgag tagcccccgc tctgcaacgg gcacatgggg ggagcctccc ggcgggttga 420
 gagtggggca tgggcatacc tgagccccc ggtgctgctg aaggagctgg agtcgctggt 480
 agagaaagag ggcagtgagg tgctggcgct gccctgaactg cccctctgcc accccatcat 540
 ctctctggaac ctttttggtt atttccaacg gctacgctg cccagttatc taccaggcct 600
 ggtgctggcc tcctgtgatg ggccctcgma cctccagccc ccatctcctt ggctaacccc 660
 tgatccagcc tctgtttcagg tacggctgct gtgggatgta ctgacccctg accccaatag 720
 ctgcccacct ctctatgtgc tctggagggt ccacagccag atcccccagc ggggtggtatg 780
 gccagccctc gtacctgcat cccctagctt ggcaactgtt gactcagtc tgcccatgt 840
 ggagctcaat gaagtgcaca aggcctgggg gctcctgctg gaaactctag ggcctccacc 900
 cactggcctg cactctcaga ggggaattcta cctgtagata ttattctcga caatggctgc 960
 tctgggcaag gaccacgtgg acatagtgcc ctctgataag aagtacaagt ctgctttaa 1020
 caagctggcc agcagcatgg gcaaggagga gctgaggcac cggcgggcgc agatgcccc 1080
 tcccaaggcc attgactgcc gaaaatgttt tggagcacct ccagaaatgt agagacctta 1140
 agcttccctc tccagccctag ggtgggggaag tgaggaaagaa gggatctctag agttaaacgt 1200
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 caagcgagga caacaggaag agggatccac tgttaccaaa agtccctgat ccccatccac 1320
 caactcacc agttttgttg tgctgatgtt gggggagatc tggggggagt tggcacagct 1380
 ctgtctcttc cttgtctcat accgggaact cccctccagg gtacccacac atctgcattg 1440
 cccgtgctat tttagaagtt ttgttttaa aaaaacaactg gaaagatgca gactactga 1500
 gccctggccc tgaatgggag gtagggaagt cactctccac caataatggt cccctctccc 1560
 tgacgtgctg gaaggagccc aagcctctcc atgcctctct acctaatgtt ttgtatttta 1620

ttttaaatta	tttattcttg	agccacagcc	cccttgctta	tgaggttctt	atggagagtc	1680
agaaagggaa	gggaatatg	gcaccatggt	ccggtgggtt	gtagttccct	caaagtccag	1740
cactggggag	tagaggagtc	tcaagctccc	cttaggaaga	actgggtccc	ccctccagtc	1800
taattttct	tgctgcgcc	gccttgggga	atgctccacc	caccagagtc	ctgacctg	1860
caataaggat	tgttccctgc	gaagttttgt	tgatgtctaa	tatagtctaa	gcgtcttc	1920
tctttttcaa	aaaaaataaa	aaaaaaact				1950

<210> 132

<211> 990

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (852)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (859)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (962)

<223> n equals a,t,g, or c

<400> 132

tggaagattt	aaaataggtt	tcatatttct	cttgaatatg	aatatataag	cttgaataag	60
cttgagtctt	tattattatg	aaatttttct	tattatttct	accaatgctt	cttatattca	120
agcctgatct	ttttcatatt	agtatatgta	catttagctgc	ctgtgggatca	acatttccat	180
gaaatgtatt	tttgcatgtt	ttgatottaa	actttttctg	tctttatatata	aggtagctcy	240
ctttttaagca	tgatattttt	aaccacaata	gttgaaagac	aatctycacc	ttttacttgt	300
atattttacat	gtaattgta	ttttgatgca	tattacgtct	tattatttaa	caaacctatt	360
tattttttatc	tagggcatct	ttcagaaagc	cttattttct	tgtattaatc	aaattatttt	420
aycattgtat	tttcocycat	tagtttagkaa	tacgktacyc	yaaatatata	ttgtggstat	480
tttcagaatt	gcaatatgcc	tcotaaattt	attagaggct	aacctaaatt	attactttta	540
ccacttactt	gaaaattctg	gaactttaga	acatttattg	ttttatgcatt	tttaatttca	600
cttgtatttt	tactactctt	aaaacttatt	attgtttttag	acaagccaaa	atataatnctg	660
ttattatctt	atctctccat	tctttctgta	tttttatgcc	actatgtatg	ctcaatttcc	720
ttctatgtga	tgaacctaat	tcagtacttt	tgttttttta	tcgtgtgagg	tagcctgggc	780
attaaatttt	tatttttctg	ttgctgaaaa	aattgtgttt	attttctacat	gcatacttat	840
gcatatagaa	ctctaggtng	acatattttt	agtatttata	aatgtaaagt	cattwatctkg	900
gctcttatca	ttctkgtkga	gaaatcaatt	gtcagcccaa	tagtttttca	ttttaaatta	960
cngaattttt	tcattgtctt	ggtttttagga				990

<210> 133

<211> 1720

<212> DNA

<213> Homo sapiens

<400> 133
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 ccgctggagt ttgcagtttt ccagctttat acaggatctt cctctgactg gaagagtc' a 120
 ggatcatagag actcaacagt gacatttatt gtacaacatc aaggggaata ggatact' ac 180
 caaacctggga ttattcttat caaaacatgg tctcttttga ataagaaaaa tacatag' tg 240
 gttattattgg acttaaaact gtgttaaatg gatattctga taaaacattt gcgcgtc' gt 300
 agagtgttga aaatctgaga atattagctt taccacactt gagctcttag gatgtc' ct 360
 gtacgcgcat ggcttccatat taactaaaaa agctgggtat tgtaaaaatc cattta' aaa 420
 aaccacagatg agaagaaaaa ttcttttgat ggtgagactg ttgtcttagt tcagg' aatt 480
 atttaataat cctttgttac ctgtgaaatga aggaactttg taattcttag ttatc' taaa 540
 acatgagcct ttccagagtc agcttagaca ctgttgcgcg aaatagccat gcttc' cctt 600
 atgccaagga ggcacagagg gagggcctag tcttctctgt ttgcgttaca tatat' yaaa 660
 tgcctttttt ttctattttg catctgttat ctataatgag ccttctgagc cctg' tatta 720
 tgtgagacaa acaggagtta ttgatgttat acactccctt ccattccagga ttttctgctt 780
 ggagggaaat atgttgacct tagagaaatt tgaatatgtg tgcaatctct gaacatatta 840
 ccagtgtgaat aatagagact gtgttgctct ctagtataag ctatatattt tcttgattca 900
 ttgaaattac tagttataac tggagaaatt ttgttacctc tatctcgtt ggcctgactg 960
 gctgtataat agcagcagcc tcttttagag catctaatg aaaaacaggga tgaaggaat 1020
 taactgatgat atctgcagac tgcgtagaaa atggcttttg tccccagctg taacattttc 1080
 ttctcaatca catttcaatg ttgtggaga gtggcagatc cacaccagaa acactaggtg 1140
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 tactctctcc atccacctca gccacgcccc agacaggcgt tagcatccag tgtgggcccc 1260
 caggcagccc tgaagccttg ctgggtcatc agatgggggg agcctgtgac gggcaccagc 1320
 ggcctgactc cagggaagag ttctggagg gtgttggctg ttttttcttj ctcagttttt 1380
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 taagattatt tgccttagtc attttgttta tgaattgcagt gtttgtttct tatttaatag 1500
 gctttttact tcatctcatt aaattttagt gtttagaaga ggcgggtact gtcacttgtt 1560
 aaaatattga atattttata tgttatacca tgtcatatat acttgcatac tcagaccttg 1620
 catcaatat acaatgcaat tgaactcttg cagacctgca ttttttcagt ; aacaataaaa 1680
 agattgtctg gcactccaaa aaaaaaaaaa aaaaaaaaaa 1720

<210> 134
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (349)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<400> 134
 ggacagaggc catctgggct cattcagcag gaaataatgg aaaaagctgc aatatccagg 60
 tghttactac aatctggagg caagatcttt cctcagtatg tgctgatgtt tgggttgctt 120
 gtggaaatcac agacactctc agaggagaat gctgttcaag gaacagaaag tactcttggga 180
 ttaaatatag cactctttat taaccagttt caggtacctc tacgtgtatt ttggacctc 240
 tctctattgc cctgtatacc ttaagcaag ccagtggaac tcttaagact agatttaagt 300
 actccgtatt tgaacacctc taacagagaa gtaaaagtat acgtttgtna aactcgggaa 360
 gacttgacgt ctattccatt ttgggtatca tatgtacctt gatgaagang attaggtctg 420
 gatacttcaa gtgaagcctc ccactggaaa caagctgcag ttgtttttag taatcccatc 480
 caggttgaaa tggggagaga actgtactc agcattccag atcacaaaaa caatgtcagc 540
 atccagagta agcaatgaag agcagttttc caatganaac tgtgtaataa gagcatcacac 600

aagtacaaaa ttcttgtctt aattagtgagg ggtatatataa aattccctgt aatggcca a
tatttttttaa aatgcacatt aataaagcat attttaaaag ttctt 660
705

<210> 135
<211> 323
<212> DNA
<213> Homo sapiens

<400> 135
agcacacacc tccttttagtt gtccttaagg tcatgtccaa cattcgtgga gtgca:tttc 60
tgctcaggga gctttcccag acccggaatg ttctggcgcc acagacyctg gcaag:atcg 120
gtattgctgt tcctcagttt tgcctgggga aatggaggst cagtgcagtt cagt:acgtg 180
cccagagtea tggcattggc ggggtggcca gkgmtccagg tctccagcac cctcggccc 240
cctcctcacc aggtcacatc attcctcgga ttgaatctg ctcacatagt ctgtcctgaa 300
aggaaaaaaa aaaaaaaaaa aac 323

<210> 136
<211> 582
<212> DNA
<213> Homo sapiens

<400> 136
ggacggaatg gtgcaacctt cctwamtttt ctkgkgtgt tgacaacaga gggaggagg 60
gaaacatttt ttggtgggag aatcctacyt ctgcagsgga gcccttaagc gatkgatttt 120
gaatctkgac ccttaccaa ctaatttjga aggaagatac cttggaaata ttggcatttc 180
agtgggttac tgaacacaga ttagtgaatt catctagaga actccttcct ttattcaggc 240
aacaactgta caacttggaa acctgtttac agtccagttg tgattttggg aargtatcaa 300
ctctacactg caaagcagac aatattaggc agcagtggtg actatttctc cattatgtta 360
aagttttcat cttcagggtat ctgaaagtac agaattgctga gagtcatgtt cctgtccatc 420
cttatgaggc ttggaggctt cagcttccct cagtgttgat tgatgagctt catggattac 480
tctctgtat tggacaccta tctgaacttc ccagtggtta tataggagca ttgttaaatc 540
aaaaccagat taaggtttga ctggtttcat ttgatttcta ag 582

<210> 137
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1014)
<223> n equals a,t,g, or c

<400> 137
ctcggcagag cccttgccgc cctctgaata cctgckttct gtacgcctag tctcttcaa 60

```

gatttgcctta gtgtcatttc atttcgggttt cttttctcgc catgtttttt tgtcggaatt 120
acggttcggtt ttgggttctat gtactctcta aaatgttata gtttttctatt tgtctactia 180
ttttcgtgca tttgttacta ctgagttttct taatatctga ctggcctccg cccacgggtt 240
ctgcagacnaa taaaatactc agggctgatgg tagtgacagc accctccccc cttgatcagc 300
gcaaacggttg gtctgaggct tgagggatgg agcaacattt tcttggctgt gtgaagcggg 360
cttgggattc cgcagaggtg ggcgcagagc cccagcctcc acctatctgt agttcacagg 420
atcgtggggc gtggcctctt cctttgtatc cagtactagg agagtactca ctggacagct 480
gtgatttggg actgctttcc agcccttgct ggcggctgcc cggagctcac tggcaaaaacg 540
gactctctcc tggagtcacg agcaccttgg aaccaagtac agcgaagccc actgagttca 600
gttggccggg gacacagaag cagcaagarg caccctaga akargtgggg caggctfarg 660
aaccgcagac actcaggctc cgcagcttc cctggagcag tctctccat ccytgggaca 720
gacagcagga caccgaggtt gtgacagcg ggtgcctttt ggaacgcgc catccctctg 780
ccctccagcc gtggcgccac cttccgggtt tctcagactg cctggagtgg attcttcggc 840
ttgtgttttc cgcgtttctt gtactctggg cgtgtctgtc acggatctgt ggagctaaag 900
agccttagat agcagcagaa ggccttttgg attctctccc ttgaaaaagt tctcagttac 960
caaacgtctc cacctagaaa ataaaaatc attaagatgt tgaanaaaaa aanaaaaaaa 1020
a 1021

```

```

<210> 138
<211> 1777
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (661)
<223> n equals a,t,g, or c

```

```

<400> 138
gattgtttac gatcatatcc ggcgatttgg gtaccggggc ccccccgcac tttttaantt 60
tttttttttc gagacagggg ctccactttgt ggctcaggct ggagtgtact ggcacgtncr 120
tagctcacgt cagcccttgaa ctctctgggt caggcaatcc tctacactta gccctctgag 180
tagctaggac tacaggaatg tgcctcatcg cctggctaat ttttaagtgt ttgtanaga 240
tgggatctca ctatgttgcc caagctggtt tcagattcct gtgctcaagg gattctgcta 300
acttgctccc ccaagtgctt gggattacaa atgtgagcca ctgtatctgg cccatattct 360
tttttaagaa aaagatgcag aggtgttaaa taataatcc aaattgtcca ggcattgggt 420
ttatgaattt ggtgtccctc tgacaggcaa ccaaacacac acgacttcat ttctctatta 480
attctctgct catcatcttt tctcattgat gtcctcttaar gtcaaaaggaa tctctctctc 540
tcacacacac ataagaccaa aacaaatatt ttgaacatgc aaaaaaatag tctacgcttt 600
tgaatagtgt gcactgttga atagtgtgca ctgttggata gtgtgcactg ttgaagtgtg 660
natgtccaga aggcacaggt atctcgggaa agctctagat ttttggcytc gaaataaaac 720
tgcatgttga atagcaggtt tttaacatta tcatctgttg gatttctctc ccttttttgc 780

```

```

aatactatct acgctgagtt atctattgcc aactagcacc aattctccaa atcaaatgtt 840
gtgaggaaaa cacactcgtg caatcctctt taacagaaga tacaccaagt aacctgtctg 900
tctactctcg ttaccagaaa ataaaaaac ttgaagggtc gcttggctcg aggggtcccg 960
gtgggagagc atctcgcctt cagtcgggat ccatgggtgaa cagctgggat tctctgggat 1020
tccagtacag gccgactgct gaggttgtaga caagagacca gacatagggg ataaaaaact 1080
cctcgggctg ctctctcttc acatatattga atttcaattc tggaaatttc ttcagtctgt 1140
ctctgggctg cgcaacgacg ccttgcctaa tgattccag gacctcttc actgacagct 1200
cagctcccaag cttgcagcaa cttgtagcta aagaaggaga tccaccagatc aatattttgc 1260
attatattct gaaatgaagg atgagttcga aattgttcaa agagatcgcg tttgtaaagc 1320
aggcgctata ccaagttttg gttgtggtga agggaaattg tcaggcagga ttgtatgac 1380
tctaaatcga ttgcaatcac ttcttcaatg acattcaggt ctgtgcata atctgttaga 1440
ggaacatcat tagaactcga cgaaacctct aaggactgtg tggcttgttc cagaactttg 1500
ttgtgttttt tagacagcaa agaaaaataa ctgatgatcc tctgggcagc atactgatgg 1560
agagaaacga actgtgccga catatttgct aaagctgcc aacaatttgt gtgaaggtag 1620
ttgtctcgtg tcttagtcat gttgtattga atggttctta ttaccaccag gatcaggaga 1680
ctccccagg agatttcagt taaaactcgt ctggaatacc aagtaattatt ttttagtacc 1740
acttcatgaa tggatctgtt gaagccatca tcttccg 1777

```

```

<210> 139
<211> 643
<212> DNA
<213> Homo sapiens

```

```

<400> 139
tttttttttt tttttttttt tttttttttt ttttttttgg aatgagaaaa taactttatt 60
ttcattgtgg ggagcggggc gactgccagc ctcaaacctt ctggaactgc ttcttggtgc 120
cgccagcctt ggtgaccttg agcagcttga agcgactgt ctgtctcaga gggcggcact 180
ggccaactgt gacgatgtca ccgatctgga cgtccctgaa gcagggggag aggtgtacag 240
acatgttctt gtggcgcttc tcgaagcggt tgtactctgc gatgtagtgc agtagtctc 300
ggcgagtagc aatggctctc tgcacttcca tcttgggtca ccacgccaga gaggatccgc 360
ctcgaatgg acacattcac agtgaagggg catttcttgt caatgtaggt gccctcaat 420
agcctccttg ggggtgtctt gaagcccgaa ccgactgtct tgttagtagc ccgcgggagc 480
ttctccttgc cagttttctc cagcaggacc ctcttcttgt tttgaaagat ggtcggtctg 540
ttttggtagg cagctcagct ctgaatgtcc gccattctct cgtgcgcmay tctcgagcgc 600
cgggggatcc actagtctca gagcggcgcg accgcggtgg agc 643

```

```

<210> 140
<211> 1220
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (404)
<223> n equals a,t,g, or c

```

```

<400> 140
tttttttttt ttgagatgga atcttgctct tgttgtccag gctggagtcg aatggcacga 60
tctctggcca ctgcaacctc tgctctctag ctccaaggga ttctctctgc tcagctctcc 120
gagtagctgg gattacacgt gccaccacc accgccgact aatattktga tttctagtag 180
agacggggct tcaccagggt ggccaggcta gtcttggaac tctgacytc gtgatccacc 240
tgctcggcgt tcccaaatg cctggattac aggtgtgagc gctcttgtgt tttttgtttt 300
tgcttgcttt taaaagatgg artttcactt ttattggccc ggctggagtgc caatggcacr 360
atctcggttc accgcaatct ccacctctg ggctcaagca attntctctg ccagcctctc 420
caaatgtctg gaattacagg tgcccgccac catgcccac caatttctcg tacyctagt 480
agaggtgggg ttccacaacg tkggccaggc tggtytcaaa ctcaaatccc tgacytcagg 540

```

```

tgatctgccc actttggcgt cccgaaatgc tgagactaga ggcgcgagcc accacgcctg      600
gcctacaaac acatctctgt ttgggttttt atataaaata tgagcacaaa aatactttcc      660
ctaaatacacg cctctggctt tgccaaaccc ttggcacaca sccaagtacc ccttccattc      720
tcagatacgtg gaggggagtg tatagaggtt tagagtacat acgtttcttc tccaactctt      780
cgctgcttag aagaagacta accacctctt ttgggtttcaa ggtatctggt ttgaagtctc      840
cactgaaat caccatccgc tgaatctcac tcttctctt ggctctttgc agaattcggt      900
cttcaatggt gcctttacag atgagccggt acacagtaac ctgctttgtc tgccctaagc      960
ggtgggcccgt gtccatggcc tgcctgtcca cagtggggtt ccagtcgcta tcataaaaa      1020
tgcactgtgt ctccagcagt gagattgata cccagtcctc cagctcgtgt gcttaacagg      1080
aacacaaaga tgtcattcct gttctgaaaa tcagcaacca tgtctcgctc ctccgagatc      1140
ttggatgagc catcaagcct yatgtaggta tgcctctctg aaaccatgta ttcctccagt      1200
aggctcatca tctcctgtgc

```

```

<210> 141
<211> 721
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (623)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (626)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (638)
<223> n equals a,t,g, or c

```

```

<400> 141
aattcggcac gagccaggtt agccggaagg gcagctctcc aggcctctgc cccccacag      60
ggggctcctt atgcacagcg gggcgtctcc ttgtggccat agaaacggaa ctggctcttt      120
ccaacagctg tgcaagagga tgggtattta acgctggccc ccaaggagga aaggcacaga      180
cyttctcccc tcttggaaaca tccaagggca ctggatctcc tgtgtccctc tgagatgggg      240
tgccactcca gcaagagcac cacggtggca gctgagtcct agaagcttga agaagagygc      300
gaggggaagag agccaggtct ggagaccggc acccaggcag cagactgcaa ggatgccccg      360
ctgaaggatg gaacccccga gccaaagagc tgaatgcct ctctccagag tcggacacct      420
acctcyttcc tggaaactgoc ttggcccca gaacctgag acaatcccca ccttgagaag      480
ctccgatcac tgggaggaga gagaaggcct ccagctttgg gattcaggct tcagaagttt      540
ttagcagcct ttgctcattg gagagtgagg gaaaggataa agttcttata aggaaatccc      600
taatttcccc cagctcctcc cncncgaag aaggaaacnaa agaaagtctc ttccacacgt      660
ttgttgaggaa acttttccct tgccaaacttt ccttgaggatg ccagacaaaa gccctccaga      720
a

```

```

<210> 142
<211> 1468
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (901)

```


<223> n equals a,t,g, or c

```

<400> 142
atgaattaaat gtttataaat gactgtactg aattttaaac cgtacagttt catttgcatt      60
ttgacattac tttattatag attttgcatt taaaaggctg caccagttgg cttttcttct      120
gttttattct caaaatatag agattctgtg atttatttgc cctgtttatg gattaaaaaag      180
aaaactctaa tataaagcat ttcaatagga tgcataaggta tattacgttt ttttaagtct      240
ttagatctgt gattcttgac ttactattta tttttatccc ttttaagtcag ggatgcttta      300
ttctatttta aagcacttat gagttacatg ttgtaatcaa gtttgcacaa tatatttate      360
tatatggagg acccataaat gaatagctaa ttttttaaat gccattaaaa tgcatagaaat      420
kcttattataa acccttactat actatttctt caaggcaagt aaattgacca tgrgraaaagr      480
acacagttat taaacactgt tgacaggaaa attctctctg ataacatagg acaatttaarg      540
gaaaaaaaaa ttctcattat ttgcaaagaa tgaacaagtt aatgaacaaa caaactagat      600
ttgggtatgt ttcagctttt gcatcatgtt taattgttta atttggttga aaaactgcag      660
ttgagaaatc agatagcaat atagacattc acagcagctc tgttgatacc atgtaattgt      720
caggtaactt cagaatgttg aaaattatct agtgcagccc tcatagtatc atacttgaaag      780
aaattgatta cagttccact aaattgttga agataaatta tttttaaagg ttatgaaaaa      840
taagtatat taattcatat gtttgatttt taaatcccac ctctcaagc tatccaaatt      900
nctgactttg aaaaatacca tgagagatgc cacatttctc tctgggaaac taccactcaa      960
agaataaattg tcaaaaatta agcttttagg ttatagaagc tgttataaag tataaaaatt      1020
agataaagc agatcacatg taaatcattc cttaaagcaca agaaaaaagt gtgccttgat      1080
tgacataat tactaaagtg cctctccagc ttacttttaa aaatggcttt aaggataaag      1140
aataaattgt atagctgtgc atgcattata tatttgcatt tgcaaaattc ccattgtttt      1200
aacagctgtg tgcctgactt tcatctttca gttagtggaa aaacattttc acctgactaa      1260
ataattggctg cttcttattc ttatctttca gttagtggaa aaacattttc acctgactaa      1320
aatttggaaat tgtgtctttt atgttccacc ctctgttgtt actagattta gtttaaaaaa      1380
tgtgtatgac cattaatgta tgtcataaac atgtaaataa aagatgttga atcttgttga      1440
aaagcawraa aaaaaaaaaa aaactcga                                     1468

```

<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

```

<400> 143
tgaatttttt gccaaactta gtaactctgt taaatatttg gaggatttaa agaacatccc      60
agtttgaatt catttcaaac tttttaaatt tttttgtact atgttgggtt ttattttctt      120
tctgttaatc ttttgtattc rcttatgctc tctgtacatt agtactttta ttccaaaact      180
agtgggtttt ctctactcga aattttcaat aaacctgtca ttatttgotta ctttgattaa      240
aaaaaaaaaa aaaaaaaaaa aaaccccnag gggggggcgg ggtncaccaat cccccccaaa      300

```

<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<400> 144
 tgcctccctt cctgcagatt gtggacagta gtctctcagc ctgcaccctg gattccctct 60
 tocccttctt agctccatgg gactcgcccc aagactgtgg cttaacaggac caccagcccc 120
 ttactctcta agccctgact gtggagttgg tagatgcctc tgatccctcag tatctctctt 180
 ggcaatgttc cactgcttct cctctctggg agctgggtcc ataactctgat ttccccaaa 240
 cgtgtgtcaa toctctgtgc ccttttagca cccaggggtct tgtgtgggta tgagtgtaga 300
 ggaatggggg atgccaggcc tggggcgctc caggcaggcc cgtgggacct gtagtctact 360
 cctatccact gccatgtacc gtgcccctgc cccattgtgt gcactgtgccc atgtggacgg 420
 ccgagtgtcc tttycgccct cctcagccgt gctgtgtact gagctgacca agctactgtt 480
 atgcgccttc tocccttctgg tagggctggca agcatggccc cagggggccc caccctggcg 540
 ccagggtctc cctctcgcac taccagccct gctctatggc gctaaacaca accctgtgat 600
 ctatcttcag cgttacatgg accccagcac ctaccaggtg ctgagttaac tcaagattgt 660
 aagcacagct gtgctctact gcctctgcct ccggcaccgc ctctctgtgc gtcagggtgt 720
 agcgtctgtg ctgctgatgg ctgcggggag ctgctatgca gcagggggcc tcaagtctc 780
 cgggaacacc ctctccagtc cccctccagc agctgtgtgc agccccatgc cctcgcatat 840
 cactccgcta ggctctgtgc toctcattct gtactgcctc atctcaggtt tgcgtcagt 900
 gtacacagag ctgctcatga agcgacagng gctgccctg gcacttcaga acctctctct 960
 ctacactttt ggtgtgtctc tgaatctagg tctgcatgct ggccggcggt ctggcccagg 1020
 sctcctggaa ggtttctcag gatgggcagc actcgtgtgt ctgagccagg cactaaatgg 1080
 actgctcatg ctgtctgtca gtagggcagc cagcagcctc acacgcctct ttgtgtgtgc 1140
 ctgctctgtg ttgttcaacg ccgtgtctctc agcagcctg ctacggctgc agctcaagc 1200
 cgctctcttc ctggccacat tgctcatggc cctggccatg cgctgtact atggcagccg 1260
 ctagtctctc acaacttcca ccttgattcc ggacctgta gattggggcg caccaccaga 1320
 toccctctcc agggccttct cctctctcca tcagcagccc tgtaacaagt gccttgtgag 1380
 aaaagctgga gaagtgaagg cagccaggtt attctctgga ggttgtgtgga tgaaggggta 1440
 cccctagagg atgtgaagtg tgggttttgt taaggaaatg cttaccatcc cccaccccca 1500
 accaagtctt tccagactaa agaattaagg taacatcaat acctaggcct gaaaaataac 1560
 cccatctctg ttgggcagct cctgtctttg tctgtcatga acagagtga tgaagtggtg 1620
 gtgtggggcaa caagtggctt tocttgctta ctttagtcac ccagcagagc cactggagct 1680
 ggctagtcca gccagcccat ggtgcatgac tottccataa gggatctcca cctctccact 1740
 ttcatgcaag aaggccaggt tggccacagat tatacaacca ttacccaacac cactctgaca 1800
 gtctctccca gttccagcaa tgcctagaga catgtctctc gccctctcca cagtgtgtct 1860
 ccccaacact agccttttgt ctggaaaacc cagagagggc tgggcttgac tcatctcagg 1920
 gaatgtagcc cctgggcccct ggcttaagcc gacactcctg acctctctgt tcacctgag 1980
 ggctgtcttc aagcccgcta cccactctga ggctcttagg aggtaccatg cttccaccct 2040
 tggggctctc cctgtcctag cagtctccca gctcccaaca gctctgggaa gctctgcaca 2100
 gagtgtcag agaccaggta caggaaacct gtagctcaat cagtgtctct wtaactgcat 2160
 aagcaataag atcttaataa agtcttctag gctgtagggt ggttctctaca accacagcca 2220
 aaaaaaaaaa aaaaaaacct gag 2243

<210> 145
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
 gccaaagctct aatacgactc actataggga aagctggtag gcctgcagkt accgggtccg 60
 ggaattcccg ggtcgaccca cgcgtccgct tcctgtgtgc aaaatcctca cctccttcat 120
 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
 ttgtaataca ttgagatttc tttagtgtct gctttcttgt gactcaactg ccagacacc 240
 tcattgtact tgaaaaactgg aacancctgg gaatgccatg gggtttgata atctgcagg 300
 gacatgaagg ggctcagctt cctgggacca tgactttggc tcagctgata ctgnacatgg 360
 gagaacaacc acatttttct ttgtgtgtgc ttctagcagc tgttcgggag gacctggacc 420
 caaayagtgt cccatgctgt ttctttgtga acgctctcgg ctatgtagca gcttttgatt 480
 cccctgatac cctaggctgc tgccccctac ctgtcccttg ttataacat tgagagggtt 540
 tctagggcac atactgagtg agagcagtgt tgagaagtcg gggaaaatgg tgactacttt 600
 tagagcaagg ctgggcatca gcacctgtcc agctctactt gtgtgagtgt tcaggaaactg 660
 agcccccttt tctgcctagg ataaggagct gaaagatata ctgggactcy ctaatgggtcc 720
 aaatcctttt gcacacaataa agagtctcpca aattagagac tgcatgttag taatggatgg 780
 atttgggtgc cgcacatgat accctgccag ctgtgagggg accccgtttt taagatgcat 840
 ggccaaagtc tctgcaaatg gaaatgctta cactgggtgt tggggatgt ttgtacctcc 900
 tgctattttt gtgggttttg ttctccact atgttaggac ccttggccag cattgtggct 960
 tgcatagtca gccccatga ctacctctc atgctctgag gtactactgc ctctgacga 1020
 caaatttcta ttctgtcaaa caaaaggaga tgaaaaataa aaaaaactcg 1080
 ng 1082

<210> 146
 <211> 4313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1126)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
 caagctgggt tgaaactagg ggtcggggctc ggcgctcgtc gttgtttgtc gccgcatccc 60
 cgtttccggg ttaggcgttt cctgcgccgc cctcctctc ctcccttcgg acccatagat 120
 ctgagctcgt gctccccgcc cgcgcagacc cactgttgac ccggcccgta ctgcggcccc 180
 gtggccacca gctccctgca cggcaaacgg aaggagatct acaagtatga agcgccctgg 240
 acagtctacg cgtatgaactg gagtggtcgg ccgataaagc gotttcgtctt ggcgctgggc 300
 agcttcgtgg aggagtacaa caacaaggct cagcttggtg gtttagatga ggagagtcca 360
 gagttttatt gcagaaacac ctttgaccac ccatacccca ccacaagct catgtggatc 420

cctgacacaa	aaggcgtcta	tccagaccta	ctggcaacaa	gcgggtgacta	tctccgtgtg	480
tggagggtcg	gtgaaacaga	gaccagggtcg	gagtggtttcg	taaacataaa	taagaaactct	540
gatctctctg	ctccctcgac	ctctcttgac	tggaaatgagg	tggatctctta	tacttttaggt	600
acctcaagca	tgtatcagca	atgcaccatc	tggggggtcgg	agacagggca	ggcgttaggg	660
cgagtgaacc	tctgttctcg	ccacgtgaag	accagctga	tcgccatga	caaaagagtc	720
tatgatattg	catttagccg	ggccgggggt	ggcaggsgaca	tgtttgcctc	tgtgggtgct	780
gatggctcgg	tgcggatgct	tgacctccgc	caactagaac	acagcaccat	catttaccgaa	840
gaccocacag	atcacccatc	gcttgcgcct	tgtcggaaca	agcaggagcc	tacttaccctg	900
gccaccattg	ccatggatgg	aatggaggtg	gtgatcttag	atgtccgggt	tccctgcacac	960
ctgtgscgag	gttaaacac	catcgagcat	gtgtcaatgg	cattgtcttg	gccocacatt	1020
catcctgcc	catctgcact	gcagcggatg	accaccaggc	tctcatctgg	gacatccagc	1080
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<211> 1183

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (1053)

<223> n equals a,t,g, or c

<400> 147

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<211> 734

<212> DNA

<213> Homo sapiens

<400> 148

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<211> 1405
<212> DNA
<213> Homo sapiens

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<220>
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<222> (842)
<223> n equals a,t,g, or c

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<220>
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<222> (1079)
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<220>
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<223> n equals a,t,g, or c

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<211> 2890
 <212> DNA
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 <211> 2399
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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gcagttgttt	acagtttaag	tacctctatc	taaaaggcca	aagaagcatt	tcatayttta	2220
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atagggaagta	acttaaccag	tctgggaaga	ttcaggcttt	ttctatkaaa	aagcttatctc	2340
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<210> 152

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (755)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (757)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (777)
 <223> n equals a,t,g, or c

<400> 152
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 tttttcctaa agaataacwt gaycctttgc caracggact acgagggaag tttaatgaaa 180
 gaagggttatg cccccmgtt tgcgtgatct atcaacatca ccccatgaag aatacnaagc 240
 actacattct tttattcttt ttgtccaca tgtacataag aattgacaca ggaacctact 300
 gaatatcgta gatataaggaa ggcaggatgg ttatatggaa taaaaggcgg actgcactcg 360
 tatgtagtga aattgcccga gttcagagtt gaattgtttat tattaaagaa aaaagttaag 420
 tacatatggc tggatttttt tgcctgttat tgcgttttgt gtcaactggc atgagatggt 480
 tattttggac tattgtatat aatgtattgt aatatattgaa gcacaaatgt aatacagttt 540
 tatttggta ccaatttgtt tccattttgt yetttgtatt gttgcattta gtacaatcag 600
 tgtttaaact tactgtatat ttatgcttct tgtatttacc agctatttta aatgagctgt 660
 aactttctag taaagaattg aaaagcaaat cctcactaaa ggatacacag gataggataa 720
 agccaagtcn catcaacatt aaaaaaatac aaaaananaa acacaaaaaa aaaaaanccc 780
 gggggggggc cggaaacctat tc 802

<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> n equals a,t,g, or c

<400> 153
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 ctgaccgcgc cctgcncctc tctgaacctg gcgcccccca ccgtgcgcgc cctgtccccg 120
 agtctgtttc ccgcgcgcca gatgatgaac aatggcctcc tccaacagcc cctgtgcctg 180
 atgttgctcc cctgcgcgcc agttcttacc tctgtggccc ttaattgccaa ctttgtgtcc 240
 tgggaagagtc gtaccaagta caccattaca ccagtgaaga tgagggaagtc tgggggccga 300
 gaccacacag gtgggaacaa ggacaggggg atttaagcag tcaaaaaggaa aaacatgtta 360
 agaccctaga cttgtatat tgcacactgt tactttgtaa ggcagagggaa tgytaattaaa 420
 aagcacttat ttggcwnaaa aaaaaaaaaa aaaaaaaaaa c 461

<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154
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 agaagcatcg aggctatagg acgcagctgt tgccatgacg gccacggggg gctgtgtggt 120
 aaccgaggcc ggcgcttcaa gctggccatt gagctaaagc gccctggagg aggcagcagg 180
 ggtcgaaagt accggggcag tggccaggga gactgcctct acccagtcgg ttacttggac 240

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aagcaagtgc cttgataccag cgtgcaagag acagaccgga tccctggtgga gaagcgctgc 300
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gcaggcaata ctatctccat ctctccact atgacgggtg gtatgatgag ctggcgaccc 420
attcaggcac ttatggccat ttccagccact ttcaagatgt tagaagagttc aagccagaaag 480
ttcttcagg gtcttggtcta ttccattggg aacctgatgg gttcgccatt ggctgtttac 540
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ccccctgaga gaattggagt cagtgggtgga ggaactgcttt tgtgaacatg agaagcagc 660
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tggtatccct gttggcaaca agtgtcacgc ctgaagtctt tgaaaacaaa ttagaagact 1980
gttgctctgg ctaactctct agttcagggc caagtcttct tagtccagaa gaagataaaa 2040
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aaagatggtc cagtgtcttc aggggaaggat gttttagccag ttttccatgt atttgttcc 2340
taagattttt tgacctgtgc ttaataagac ggacgcgtgg gtcgaccc 2388

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<210> 155
<211> 642
<212> DNA
<213> Homo sapiens

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<400> 155
aaacagacc atttaaaaac tcagacaaga ttattatttaa tatattaat actaaaaagg 60
cacaagatta caactgaacat attagctact aaaaaggcac tgctaagaca ttcaagcaaa 120
tcgttattac acactactgc agattttaca ggttttcta tctaacataa gtttgaaaaa 180
cctgtgagta ttccaaaaata tatttaataa tggaaatatc gcatttaata accatccatg 240
tgtttttacc atttgcccta atattgaata tactgtttac ctacactaaa aaagaaaaac 300
agaagcctta tttgtgattt tgggagtgtga agcttccatt tttgtgtcaa aaatgaatcc 360
tgattcttat ggaaatctct gttatcaaga tattttcaaga tgagacaaca ctgaagatca 420
aattgttgtt agtatcacta ttctctctcc tctgttctct ctaccccc atctctccag 480
aatctaccag tttatgtgtg aaagatggga accttatttg aatgtgtttt tttttttcca 540
tgatgtccaa ttttgttgtg ggaaaggatt tggataaaat ttttgtttaa atttttgtag 600
atttttatct atacaaaatt aaataaaatt atgttttgtg ag 642

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<210> 156

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<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156
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 agagaaaata tcacggggcgc ctttccacaa tgcagttgct gtagtcatct acaataataa 180
 atccaaagag ggcacagttta ccacgaccca tccaggcact gacgataata ttgctgtcat 240
 gataacagaa ttgaggggta aggataatct gaggttatct gagaaaaaca tctctgtaca 300
 aatgacaaata gctgttgga ctcgaatgcc accgaagaac ttcagccgtg gctctctagt 360
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 cttcattcag aagatcagggt acacaaatgc acgcgacagg aaccagcgct gctcgggaga 480
 tgcagccaag aaagccatca gtaaatggac aaccaggaca gtaaaagagg gtgacaagga 540
 aactgaccca gactttgatc attgtgcagt ctgcatagag agctataagc agaattgatgt 600
 cgtccgaatt ctcccctgca agcatgtttt ccacaaatcc tgcgtggatc cctggcttag 660
 tgaacattgt accgtgtcta tgtgcaaact taatatattg aaggccctgg gaattgtgcc 720
 gaatttgcga tgtactgata acgtagcatt cgatatggaa aggtccacca gaacccaagc 780
 tgttaaccca agatcagccc tcggcgaccc cgcggcgagc aactcccttg gctctggagc 840
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 gaacctattt ttgtgcatca ttaccacatc atgccacaca agcttttatt tttagtacat 1140
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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157
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 cggcgaggcc cctgaggggag ggagctgtca gccagggaaa accgagaaca ccatoaccat 120
 gacaaaccagt caccagcctc aggcacagata caaagctgtc tgggttatct tcttcactgt 180
 gggctctggga acgtgtctcc cgtggaattt ttctatgacg gccactcagt atttcacaaa 240
 ccgcctggac atgtcccaaga atgtgtcctt ggtcactgct gaactgagca aggaagccca 300
 ggctgcagcg cnccttgca cacccttgcc tgagcggaa cctctcagtg ccatcttcaa 360
 caatgtcatg accctatgtg ccatgtctgc cctgctgtta ttcaactacc tcaactcctt 420
 cctgcacacg aggaatcccc agtccgtacg gatcctgggc agccctggtg ccatcctgct 480
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 gttgtgtctg gctggccttc tcgctggcag cttacacggc cccacatcat agtggccagg 660
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 tctgttacct gggcctgccc cgcctggaa tctaccgcta ctaccagcag ctcaagcttg 840

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caggcaaaag	ggaatctgga	gtttcagttc	ccaactctca	gcccaccaat	gaaagccact	960
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ctatcaccat	tgggacgttt	ccagccgtga	ctgttgagg	caagtcacgc	atcgacggca	1080
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<210> 158
 <211> 1625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1066)
 <223> n equals a,t,g, or c

<400> 158						
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cattgggaggc	tgagaaaaat	gagggggagat	ggaaccagat	acaaggagat	ccaataagag	180
aagcttatatt	aaatattgtg	aaataaaggga	agamccaaa	catttttttta	agtgggggaat	240
ctcttttgaac	agttattatt	tatccatatt	atcaayaaca	tctttttctga	caaaaatccat	300
cagatgaagt	glaaatggat	aatcttttaa	tggatctaaa	octagaaaat	ttcacttaact	360
gttcattgtcc	gtgttccaga	attgtgaaat	ggtgtgtggt	tttgctttcc	aaagtctctct	420
ctgcctctctc	ttaattctct	aattccatgt	cttacagaa	aatgagaaa	ttctttctcta	480
cttgtagtatc	atgctctataa	aaacttggct	tcagtccacg	aaacgctggc	tctcctgtgc	540
ttatatggaa	gccaaactgcc	tttaattctt	ggggccctct	atattttttta	ggtgcaaaat	600
ttgaagtctc	agtcaccaga	cacaggtctt	atacaattaa	tgatgagctg	gagaagttaat	660
atgtagctaa	tttttcaaaa	gcattgaata	tactttccgg	aaagaaaaa	gaaatttaaat	720
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tgctaatcaa	gttttatata	ttctaataat	ccccagtttc	tttggggctg	gaagtatgaa	840
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aaggataaga	aatagaatta	tggaaaaagcc	ccacacaggg	acctcctctg	ccagaaatagt	960
cagagttaatt	cctgctgggt	tcacctttga	aagtccctcg	aaactatgca	gatgaaactg	1020
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attcttgtat ttacatctcc tccactgtcc cccacaccac ccctcaattc ctgctgcccc 1140
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caaaactgact tgaagcacag atactttttac gaatgtgata aaatatcttc ttaagaaaaag 1260
gaaagaggat ggggtgcaaa taaaacaccg catggatgtt gattggtgaa tactgggtgt 1320
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tgttgctgaa ctatgtaact ttaatgatga tttttcagtc ccttttcaga gcaaatgttt 1560
tgccaattggt agtaatgttt agtttaaat gacttaataa attmttacct gagcaaaaaa 1620
aaaaa

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<210> 159
<211> 1687
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (334)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (505)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1044)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1670)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1678)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1683)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1684)
<223> n equals a,t,g, or c

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<400> 159
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acatctcttg atagtgacct ggatccagag gagctggcag gagtcagggg acatcagggt 180
ctaaggggacc aaaagcgatc gcgacttact gaagtgcaag atgataaaga ggaggaggag 240
gaggagaatc cactgctggc accactggag gaaaaggcag tactgcagga agaaacaaggc 300

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aacctgtggt	tctcaaaagg	cagcttttgt	gggnatcgag	gacgatgccg	atgaaggccc	360
tggagatcag	tcaggcccgag	ctgttatttg	agaacccggyg	gaaggggacgg	cagcagcagc	420
agaagcagca	gctgccacag	acacccccc	cctgttttgaa	gactcgatata	atgtctcccc	480
tgtaccaga	tgaagccccc	aaggnaacag	aggcttcttc	ggggacagaa	gctgccactg	540
gccttgaagg	ggaagaaaa	gatggcatct	cagacagtga	tagcagtact	agcaktgagg	600
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aaaccaggat	aatggaaraa	aaaaaaaaaa	aaaaaaaaag	ggggggcccn	taaagggncc	1680
cannttt						1687

<210> 160

<211> 1842

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1793)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1834)

<223> n equals a,t,g, or c

<400> 160

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ancagcgtat	gatcaaaagc	aaagcgaggg	cgagaacacg	actcaccagg	agtcagccag	120
cgcactctg	ccccgagaat	cctttacttc	atctaaaggc	agcagtgaaa	gaaaagaaaa	180
gaacaagaa	gaaaaaaacc	attggttcac	caaaaaggat	tcagagtcct	ttgaataaca	240
agctgcttaa	cagtccttga	aaaaccctgc	caggggctg	tggcagtcct	cagaagttaa	300
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cttctacttc	agggtgtgcca	ggcctctcta	gtttgcagtc	tgaccacagct	ggctgtgtga	420
gacctccagc	acccaatcta	gctggagctg	ctgaattcaa	tgatgtgaag	accttgcctca	490
gagaatggat	aactacaatt	tcagatccaa	tggaagaaga	cattctccaa	gttgtgaaat	540
actgtactga	tctaataaga	gaaaaagatt	tggaaaaact	ggatctagtt	ataaaataca	600
tgaaaaggct	gatgcagcaa	tcggtggaat	cgggttggaa	tatggcattt	gactttattc	660
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tattaccaga	gagcctgatg	ctctctgata	gctgtgccat	aagtgcctgt	gaggtatttg	780
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ggatttttca	agtgaagtgt	ttacagttgt	ttataaaaga	actgtatgta	tattttgttac	1020
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actttgatga	taaaaaagaa	cggatatagat	ttttcaaacg	tatatataat	atbttttatgt	1440
tatatgttat	gccataaact	taaaaaaaac	atagtttaaa	attctatgct	agtggatatt	1500
tggaaactttt	ttctcaaaaca	aacaccccac	actgacttca	gcaaaacctc	aaaaactagct	1560
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agcccaataa	tcaggaaaatg	tgtgtatgat	ggaattttct	aggacaaaac	agatcaagat	1680
taaaacagga	tcaaggatta	atgggtataaa	aatgggtctac	taaaacagga	tcaaggatta	1740
aaacaggatc	aaggattaat	ggtataaaaa	tcctactctg	ttaccgggtg	gcnngggccat	1800
acagggtagt	ggtggatgga	tagtttagtt	tggnaaaggt	aa		1842

<210> 161

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (744)

<223> n equals a,t,g, or c

<400> 161

ggcacgagcc	ctatgctgtt	cttgtgataa	tgagtgtgct	tcacaagatc	tggttggtgtt	60
ataggcatct	ggcattttccc	ctgctgacgc	tcattctctta	tcctgccacc	ctgggaagaa	120
gtgtctcttg	tcgtgattgt	aagttttctcg	aggctctccc	agctatgtag	aactgtgagc	180
caattaaacc	tctttttctct	ataaattatc	cagtcttata	tatttctctca	tagcagttgt	240
agAACagata	ataccgtaaa	ttggtatcac	agagagtggg	gtgttgctat	aaacacatcc	300
gaaaatgtta	aagcaaatct	ggaactgggt	aacaggcaaa	ggctggaaca	gttkgaagaa	360
cagttaaaga	gaagacagga	aaatatgaga	aaacttgaaa	cttctctagag	tcttaaaagt	420
ctcagaagac	atgaagatgt	gggaagcttt	ggaaactctc	agagacttgt	ttgaatggct	480
ttgacaaaaa	tgctgtatgt	gatattggaca	atgaagtcca	ggctgagctt	atccagacag	540
acataaaga	ctcgtctgga	acttgagtaa	agatacctct	tgctaggcaa	agagacttgt	600
ggcctttttt	cctctgcctc	agagatctgt	ggaaatctga	acctgagaga	gatgtattag	660
ggtatctggc	agaagaataa	tctaagcggc	aaaacctctm	agaggaagca	gagcataaac	720
gtttgaaaaa	tttgcagctc	gacnatggga	gaccaaaagt	aaacccaatt		770

<210> 162

<211> 519

<212> DNA

<213> Homo sapiens

<400> 162
gaattcggca cgagctgaga ggcacaggag caacagccag tgcctccctgc agaggaccac 60
tgggggtcaca gacttcacac ctgatgacct gggctcagat cccagctctg cactaccag 120
ccgtgtgaca aggtgtctct cctgagccctc agtcacacac tgccttaacg gttgggcctc 180
atggagctgt ttgtgaaggt taaatgggaa gacataaagc acttagcca gagccaagga 240
catgctgaat aggataatgg tggcctcctt tggcgtctgt ctggtgcagg tgtgcccagg 300
aaytggggca ggggtgacaga tacctctctt aacctagtct ctttccaaga acctaatgg 360
tgtctctccc tccccaggc aattggaagg agggagctgg gccccagccc cagaaacagg 420
gaggtttctc accgtggtag ggaattgct gggttggggg tgtggggcaac cacagtgatc 480
gtctctctgc aggcaggatg aggcctttgct gacagaggc 519

<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 163
ggcacgagcg gcacgagcag ccagttgtctg actggcacat ggccctccagc gtcccggtcg 60
gtggggcacac tagagccgga gggatctctt taattgggtaa attggatctt gaagcttcac 120
gtgtttaaact ttttcagtgg ctctcccttg tacttagaaa aaaatgcaac ttctctgtct 180
gggactcacc cgtccacagc ctctccctcc accctctctc tgcctcatgc tctgccccctg 240
cctggccatgc ctccgatact caccttttgt accccagcac ccgtgcccctc tgccctctga 300
tctttgcttg gctggttgct cctcactcag tggtcaggac aaagtctctt ggccctaccc 360
catctagcca gcttagcccg gtcttccctg tcttccctgt ttcattcatg gctcttattg 420
ttgtttwaact tgtgtgctgt tgacttttaa ctctccagc cccactgga atgcaagcga 480
tctcccaagc tctagaatt gtctctgctt cttcacaggc ccttagcctg tgtgtgctcg 540
tgccgaattc ggcacagggg tatgtgcact tgtgtgtatg tatgtagggt tttgtctaac 600
catacgtgca cagcgagaat gcttccaggg gactgcacag cctctagtct gcagccccca 660
ccctccctct tgcscctgca ctctccctct tctgagctgc attcgcataa aaggggtgcan 720
ggttctctgan cccgcnagcg ncacctctcg gga 753

<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

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<400> 164
tcgagttttt tttttttttt ttttttttkt aatttaaaca aataccaaaa gctttattta      60
agcaaaaaaca cattcaacca cagaacattc agaaagctaa caggatcatt tctacattca      120
tctcgcaaac agtgtagtaa gaaaggtaat ttgagaattt ccaaagatgt tctcgctagc      180
cattatttat ggttaattaca taacaatttg atgtcaagtt attacagact taaaagttaa      240
tatagcataa ttttacaact gtactttcac tatgattttt atttttaacc cggatattat      300
tgggtttgaag ctaattattt cagtctctatt ggctgtcact gtccacagatc tgaagatattg      360
ttttaaattca tcaagctagg aagatatcaa aatattaaca atcttcaaagt atagttagaa      420
aaaaaacgat ttaagtgtta gcattttctaa acttgagact ctaacagtaa aacaaagta      480
atctgaaacc tgtttccatg ggttaaacac tctgcctggt attctgtgtac acaaaattta      540
ctaataatgt gaatatcata aaatgaaat atcacctcct tcaattttct tggccttcac      600
aaattcaatg tgaactatgat ccttttcaat aatacttyca atgacattgt gcttctttag      660
aaaaatcact taagtgttag catacaatag ttaacattag ttcttttatt gctatggtat      720
atgtctaattt tttttaaagg ggaaaaaaaa acccagagaa cttatttaaaa tgtttgttaa      780
agcaaacatt tcagttgggt tcccttcttt gaagaataat agaaataaat gtccagaggag      840
tattactaag gagcctaaac aaacaaacaa acaaaaaaac aaaaactccc ttattactc      900
ccatcctcag aactaacctca agacaagaga tctgtattca aaaagataaa acaatccat      960
ctcagtaact accctctatg aaacctaaaga gagaaaacct gtaatatgctc tcttaaccaa      1020
cagcccccact tgcacatcac caagcaccag tcccttttgg gtacagctaa tgcttgtttt      1080
ctatcctttgc atattaaaga ctgtgtgttaa cagatttatg ggtcatttgt agcttacttt      1140
gcaaatacct ttcacttctt atgaacacaa atatgcccc aaacatggac cattattcaa      1200
gtagacaaa tcactcactg acagcacttt aacaacccgc ctccactyca tcttccactt      1260
ctctcacctc atgccttcca atgaacctag tctttgttag tgatgagtc atctggggac      1320
aaatactgct ttaaagatga tgttaatttc aatgccaaac acagtgaact tcccataata      1380
ggtatttaata aacacttggt gacatagtta caataagcta aaaatagtta acattaattt      1440
tgctctttat cttttattct tatggcatag aattttattt aaaagacgca aaaactgatt      1500
ccaactgaat aactcactac tggggcacac gctagatgac agacatgccc ccttgcttaa      1560
aaaggggtca aaggaaactc cagttataca tgagtgaatt aaacctttaa atgtactaca      1620
agaaagaact ttttatatga aggattcttt atgtagatga tcttttttga aaaaatcagat      1680
ttcttatccc tatattacac tgggttttaat tgggcatgct cacttttagt ggtgtccctc      1740
ttacaatgct tcttttgggt taagaattaa cttacaaaag catttaaaaa tcaactacac      1800
aaatgggata gagagtgaaga agacaggaga gagaggagaa accatgtttt ttcggacgcg      1860
tgggtcgacc cacycgctccg cggacgctgg gcc

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<210> 165

<211> 2153

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1670)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2134)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2135)

<223> n equals a,t,g, or c

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<400> 165
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cagggcctcaa gggctgtggg cgcctcaggg tctcattctcc ccaggcccaa ttcaaggcag      180
cagccctttg tgaggcgctc ttggccctgg gctggaggga gaactttaaq cttttttgct      240
cacagggaag tggatagggc cctgggtgca ggtgccacca tctctgctaat gagagctttg      300
cttgatcagct cctgggtccca tcagtttgtc catgtgtccg gctgccagcc cgtccctttg      360
gatcctctccc ctgggggtgta cgcctgttca ttagtatata ctcattctcc ctgctctctcc      420
tcagcagaaac acttccactt ctgagggtgag cttttgcccc rtgccccttcc tccacagggtg      480
ttgctctttt taaaagacct gatagcagaa taaactttgg ttctccctgtt gaccacgac      540
cattttctgtg ggcctagaat atggccctca acccttagag tggggcgagt agggctttgag      600
gagtgaccct tcttctctca tgggtttagt cattttggct gccagccctt aatggccacag      660
atctgtctgct tctaacagat ggccaggagg tgacacgat ttcagccatt gccagggtta      720
gcaccctctc cttttgagcct agggccacac tgtttcattg cacttttaggc aagtgcctgt      780
ttggcttttaa aggttaagcct gccagctgtg agaagccttg gtaactgatg gactcatttc      840
ctggctctta aagatgcagc ctcttaaggg ctccctgatg gatgccatct ctccagcccc      900
ccagcccttg tggcactggg gggcagggtt ccattctttg gggctgggag ggacagcttg      960
cctgtttctg gtcacaaatt acagctctct ctccctgtacc attctgtggc ttcagcatgg      1020
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agggctttgga actgtttggg acccttttgg gatgtcctgt gctcccaga tctctmgact      1140
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acattcagta ttttctggc actacaaaga gtgggaaggc ctgggatttg ctgctgctcc      1260
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cagagagccc tgtccctgcc agggccagcc tctcttagccc caacttggga acaaagtgtca      1440
acatgggata cttgggtttgg gtgctcaggt gagccctctc tatagtgtct cctctgggcca      1500
agctgacacc agcccctgag ggtggggtgg gacgggtggg gcttaaaaga ggaaggggac      1560
cagtgtagca acttgccagg gaccoccccc ctccctctcc gggcctgtgc agtgagcatg      1620
gggattccca tcaagggggc tggcacctgt gctagttaag tagccctgtn tccagcgctc      1680
actcctgacc actagcacgt tccctagatg cagactgctt tgaactttaa agctgtacaa      1740
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ctgggaagga cctgtttctt ttgcttctcg gggaactgta agccctcgog ttttgggaat      1860
cgctctctgc tgccttttcc tggaaagctaa gccctgtctcc accgcccgag gccctgcgcg      1920
gtgctcccg cgcagttgag tttgtcttgg accctgtcgt cggggggagg ggtgctcgtg      1980
ccgagcccg cctcttctgt acacctagcg ctgcccgcgc cgcttctgtc tgaggtctgt      2040
tatgtcaaaa ataaagccgc tagaaacgga aaaaaaataa aaaaaaataa      2100
aaactcagag gggggccgct acccaattaa cccnntatga tctataaagc gtc      2153

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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

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<400> 166
gcccaagcgt ccgcccacgc gtcggcggtt gcggagtatg gggcgctgat ggccatggag      60
ggctactggc gcttctctgc gctgctgggg tcggcaactgc tegtctggctt cctgtcgggtg      120
actcttcgccc tegtctgggt cctccactac cgagaggggc ttggctggga tgggagcgca      180
ctagagttta actggcaacc agtgcctcat gctaccggct tegtcttcat ccagggccatc      240
gccatcatcg tctacagact gcctgtggacc tggaaatgca gcaagctcct gatgaaatcc      300
atccatcgag ggttaaatgc agttgctgcc attcttgcaa ttatctctgt ggtggccctg      360
tttgagagcc caaatgttaa caatatagcc aatatgtaca gtctgcacag ctgggtttgga      420
ctgatagctc tcaatgtcta ttgtttacag ctctcttcag gttttcagt cttctcgtct      480
ccatggggctc cgtctttctct ccgagcattt ctcatgccca tacatgttta ttctgggaatt      540
gtcatcttgg gaacagtgat tgcacacgca cttatgggat tgacagagaa actgatcttt      600
tctctgagag atctgcata cagtaatttc ccgcagaaag g'tgtttcgt aaatacgcct      660

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ggcctttctga tctctggtgt cgggggccctc atttttttggga tagtcaccag accgcaatgg 720
aaacgtctcta aggagcctaaa ttctaccatt cttcatccaa atggaggcac tgaacagggga 780
gcaagaggtt ccatgccagc ctactctggc aacaacatgg acaaatcaga ttcagaggtta 840
aacagtgaag tagcgcgaag gaaaagaaac ttagctctgg atgaggctgg gcagagatct 900
acctgtaaa atgttgtaga gatagagcca tataacgtca cgtttcaaaa ctagtctcac 960
agttttgctt ctctctattg ccatacgata attgggctat gtagtarcaa tatctacttt 1020
aatcacaaa gatggtttct tgaataaatt tgtattgatt gaggcctatg aactgacctg 1080
aattggaag gatgtgatta atataaataa tagcagatat aaattgtggt tatgttacct 1140
ttattctgtt gaggaccaca acattagcac ggtgccttgt gcakaaataga tactcaatat 1200
gtgaatatgt gtctactagt agttaattgg ataaactggc agcatccctg a 1251

```

```

<210> 167
<211> 882
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (522)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (752)
<223> n equals a,t,g, or c

```

```

<400> 167
gacsmctag aactatggto ccccgggact gcaggaaatc ggcacagcgg ctgccccggc 60
gaggtgaggg ggcgagaggt cccagcagga tgccccggct ctgcaggaaag ctgaagtggag 120
aggccccggag agggccccag ccgccccggg caggatgacc aaggccccgg tgttccggct 180
gtggtctgggt ctgggggtcg tgttcacgat cctgctgac atcgtgtact gggacacggc 240
aggcgccggc cactttctact tgcacacgct cttctctagg ccgcacacgg ggcgcgcgct 300
gccacgcgcc gggccgggaca gggacagggg gctcacggcc gaytccgatg tcgacgaktt 360
ctgggacaak tttctcagtg ctggcgtgaa gcagagtgcac yttccacgaa aggagacggg 420
gcagccgctt cgcccgggga gcatggagga gagcgtgaga rgctacgact ggtccccggc 480
cgamgcccg cgcaccacga ccaggggccgg cagcargcgg ancgagggar cgtgctgagg 540
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cccaactcgg agctgagcca cctgatcgtg gacgacgggc acggggccat ctactgctac 660
tggtcccaagg tggcctgcac caactgggaag cgcgtratga tctgtgctgag cggaaagctgt 720
gcaccgcgtg cgccctaccgc gaccggtgc gntccccgcg gagcacgtgc acaacggcag 780
cgccactga ctccaacaat tctggcgccg ctacggggaag tctcccccac ctcatgaagt 840
caagctcaag aatacaccaa ttctttctgc gcgacccttc tg 882

```

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<210> 168
<211> 1208
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (161)
<223> n equals a,t,g, or c

```

```

<400> 168
ttcagaggaa aaataagttc cgtatgtgt ttagctaaat agtattattt ttgtcatatt 60
cccaaatctg aagtcaccgt acatattagc ctattacaac cctaagctat ttgcagtaaa 120

```

gaatatagat	gaagctgggtc	tcattttctat	tttccaagtk	nytgggggccc	atagtgtattt	180
ttttttaacc	tgacaacacc	tcaggggaat	ttatggttta	cagagccaaa	catgttaaat	240
ttcgccaag	taaaaaagaa	aacactgaat	ttcaacttgg	aaaaatcagaa	tgctgttgct	300
aatagtatta	tgagcaaat	tattaagcat	gtcaaatatg	tcaaatgctg	ttgtaagtga	360
ttcacatata	ttagtcaatt	taacttcaca	taaaagcaat	taagtaatat	caatagctcc	420
attctacaga	tataaagacc	gagactcagg	traattaagg	tactcaccca	aatttacata	480
gcagaaactg	aattcaaaact	tatgcaatta	gtctccagtc	taagatttta	actgcaactgt	540
tattctgtcg	ctgttaccta	ctaattgggt	wacctgtggc	aagctatttt	acccgtctaa	600
gtcaagctgt	ttattgatca	gacagattaa	kgttwtctga	wgtggsgktc	mtaaggtrac	660
agtattttaac	agagtcaaat	gcagtgcctg	aaatatgcag	ttggtactca	taactmtat	720
ttattaaatg	agaytcaaga	actctagatt	tggttatcyc	octagctgtg	wamacacagc	780
tatttgttac	ctatogttat	tagaggaaca	ggcataaagc	tgtgctgagy	tgcttgacgg	840
aaaattccca	ctctagaact	tcaactggat	ctctagaact	aatcactaat	cttggtattta	900
cccaggttga	ttgcccattg	caactcatac	cacaggcatt	tcacgtactg	tatgcattcc	960
tcaaaaccag	gcagggggat	caggaaatga	tttaaacccg	tcaactgagg	agccccagga	1020
ggaccattgca	ctggctgccc	tgacatttta	ccaaatgtgg	ctgtcctgtc	atgactcttt	1080
cttaagaatac	ctcactgaat	ttccaaagcta	atatwaaat	atcagtaaatt	acctctatct	1140
tcactctgta	tcaccttyact	tctaggctct	ggctccatca	accattccat	catccttttg	1200
agtttccc						1208

<210> 169
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 169	
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gagcagtgct	ctttgggtgc
agaaactgt	ttttctgtct
aggaagttg	aacagacaac
agtcagggat	taggagacag
gcagcagcag	gaggaaatacc
acttaacag	atgccagctg
gaaatctggg	ctcagagaaac
ttgatactga	taatatattt
taagatcaga	tgggaagccc
ttgggttttt	ttttttctg
gtttaactaa	aaagtctccca
tgctgtggga	gtggccaggga
aggtcagccc	tggtgtcgcc
tcagttcttc	catggtgcct
tgctccacc	tgatagctgt
ccctgaagga	gttctcgggt
gctgtgtgcc	tggtgcgttc
ctgcatctct	actctgtgac
ccacgcaatg	taagaacatg
ctgaatgttc	ctactacaca
	aataaacata
	tattaaattc
	agaatgtgca
	tgacacaggg
	ctaggggctg
	gactagaggt
	cagctggagg
	agtcctcacg
	gtcatcacag
	ccatttgaag
	tgatgtttaa
	ggaatctgtg
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	cgctgggaag
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	aaaaaaat
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<210> 170
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 <212> DNA
 <213> Homo sapiens

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	ggatggctcc
	60
	120

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<211> 2003

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1999)

<223> n equals a,t,g, or c

<400> 171

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<210> 172

<211> 786

<212> DNA

<213> Homo sapiens

<400> 172

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<210> 173

<211> 1758

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174
<211> 1369
<212> DNA
<213> Homo sapiens

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<210> 175
<211> 2379
<212> DNA

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<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1881)

<223> n equals a,t,g, or c

<400> 175

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<210> 176

<211> 1348

<212> DNA

<213> Homo sapiens

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<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

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 <211> 1637
 <212> DNA
 <213> Homo sapiens

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<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<210> 180
<211> 519
<212> DNA
<213> Homo sapiens

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gtgccccaac ttcagaccct ggcagtcctc actgaggcca ttggcccaga ccccgccatc 180
ccccgaracc cccgggagcc gcctgtttgc acgtccacac ctgccacacc ctctggccgg 240
ccccagcccc tcccaaccgg gaccgtgctg gtccctgggg gtccctgccc acctgtgctt 300
ggggaggcat gggccctcct cctcccaccc tgcggccggt cactcacctc ttgctctctg 360
tccccagcgc ctagcccttg gaaggagaca ggagctctagg gaggctgaag cccactcccc 420
gggagggccc gtctctccca gccccaggga cagcaaggaa aagagaagag agcagagcat 480
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<210> 181
<211> 968
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (45)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (135)
<223> n equals a,t,g, or c

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aacccgcccc stcanttctg atttcaggag gatttgatga agatgtttaa gcgaaagtgg 180
agaacctctt cgggatttcc agccctggaaa aaacgggacc tgtaggcaa gcacctgtca 240

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gcctctccctg tccctctctt cccctccccc tcycccgccc gtggagacag ctgtytcag 300
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<210> 182

<211> 1128

<212> DNA

<213> Homo sapiens

<400> 182

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aggggtatat tagaaaaatc atcctcataa cacttctggg aagtttttcc tccccaaaa 180
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<210> 183

<211> 2276

<212> DNA

<213> Homo sapiens

<400> 183

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<211> 3374

<212> DNA

<213> Homo sapiens

<400> 184

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 aaaccagaaa cagtacagaa ctgatgttga gggagggtta gtttttttcc tctagaaatg 2520
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 ctttgtttat ataaactgcc agaagtgtgg gctatgtatt atctgatcag tctatggctcc 2700
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 cttagcagat caatgcagga tctaatctt ttgataagct ctgactctaa aagtgatagt 3120
 gggactgtat gttttctgat actggtggct tatgtttat aacctttttt aaaaaagggt 3180
 cactctaaaa gctgaacctc atccttagtt ttacgtctac ttgactctat caggagcttt 3240
 ttaaggaaag taagtataac atgcaaaaga agcttttttt gtactcaatt tggactcctg 3300
 tcaataaaaa tagaagtttg ttgactcgta aaaaaaaaaa aaaaaaaaaa aaaaaaaccc 3360
 cggggggggg cccc 3374

<210> 185

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1337)

<223> n equals a,t,g, or c

<400> 185

cttccgggttc tccggggcgc tgcactgct gtagcttctg ccacctgcca cgaccggggc 60
 tctccctggc gttttggtaac ctctgcttca ttctccacc cctctcttga 120
 gccagctggc cgggcctggc ggctcccggt tgggtgagga cgggtccggg aacgatgaag 180
 gctctgcagt gctgctgctg tctcagccac ctcttggctt ccgtccctct cctctgtgtg 240
 ctgcttgaaac gatcgggyc cctggmagtc ctgctgcagg cagccgagcc gcgcccaggt 300
 ctggggcctc ctgaccctag accacggaca ttaccgcgcg tgcaccgggc ccttaccctc 360
 gccagcagca cggggcgttg tctggctgaa gctgcggggc cggggggctc cgaggggggt 420
 aattggcagca accctgtggc cgggcttgag acggacgata acggagggaa ggcgggggaa 480
 ggctgcgtgg cgtgcgggct tgcgtgtgag cccaaacctg gcgacaagcc catgacccag 540
 cggggcctga ctgctgtgat ggtggtgagc ggcgggtgag tgggtgactt cgggtgcagg 600

<210> 188
 <211> 1848
 <212> DNA
 <213> Homo sapiens

<400> 188

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gaaactggac cggagaaccc gagcgaagcg aagcgggaagc ccggaatgag gccggactgg      60
aaagccggag cggggccagg cgggcccctcc caaaagccgt ccccttcatc ccagcgggaaa      120
cgcccgccgc cggcgcgagcg cggcgccgct gcgattgcag tcgcggcgccg cggaggaagag      180
agacgcgtcc gccagcggaa ccgcctgagg ctggaggagg acaaaccggc cgtggagcgg      240
tgctgggagg agctggcttt cggcgacgct gagaacgac aggcacgcgt gctgcggcgt      300
ctgcgaggcc cgagggttca agaactgaa gactcgggtg actcagaagt ggagaatgaa      360
gcaaaaggta attttccacc tcaaaagaa ccagtttggg tggatgaaga agatgaagat      420
gaggaataat ttgacatgat gaacaatcgg ttccggaagg atatgatgaa aaatgctagt      480
gaaagttaac tttcgaaga caaccttaaa aagagactta aagaagaatt ccaacatgcc      540
atgggaaggg tacctgcctg ggcagagact actaagcggg aaacatcttc agatgatgaa      600
agtgaaggag atgaagatga tttgttgcaa aggactggga atttcatatc cacatcaact      660
tctcttccaa gaggcatttt gaagatgaag aactgccagc atgcgaatgc tgaacgtcct      720
actgttgctc ggaatctcat ctgtgcagtt ccatcccggg gcacagattg tgatggttgc      780
tgggattaga taactcgtga tcaactatcc aggttgatgg gaaaacaaat cctaaaattc      840
agagcatcta ttctggaagg ttccaatct ttaaggcttg ttctagtgtc aatgggggaag      900
aagttttagc cagcagtagc cacagcaagg tcttttatgt ccatgacatg ctggcgggaa      960
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caatgaagac caagaactgt attggaagca tgaataatga tgaagagctt gcagcatcca      1140
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caatgtcttc agaaaaaatg aaagaagcag tcagattggt tcatcttctc tctgtacag      1500
tattttccaa cttcccagtc attaaaaata agaatttttc tcatgttcat ccatggatt      1560
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ggttgccacca ttactcagac ttctaaagag actatttgaa gtccagtga gtcacaagag      1680
aagcctgtct tgatatata tctcagaaac ttctctgaat atgtgataa atatggaaaa      1740
tgatttatag atccagctgt gcttaagagc cagtaatgtc ttaataaaca tgtggcagct      1800
ttgttttgaa aaaaaaaa aaataaaaaa aaaaaaaa aaactcga      1848

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<210> 189
 <211> 1292
 <212> DNA
 <213> Homo sapiens

<400> 189

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gtgccttgc tcacacctg gtcaggggag agaggggaaa gccaaaggaa gggacctaac      60
tgaaaaacaa caagctggga gaagcaggaa tctgcgctcg ggttcgcgag atgcagaggt      120
tgaggttgct cggggacttg aagtcactcg gcagaggctc cacagcaxcc aaggaaacctg      180
gggcgcgctc ctcctccctc caggccatga ggaattctga cctaatctcg ctgctcctgg      240
caacagggct tgtaggggga gagaccagga tcatcaaggg tctctagctg aagcctcact      300
ccagcgcctg gcaggcagc ctgtctcaga agacgcggct actctgtggg gcagcgtcca      360
tcgcccccag atggctcctg acagcagccc actgcctcaa gccccgctac atagttcacc      420
tggggcagca caacctccag aaggaggagg gctgtgagca gaccgggga gccactgagt      480
ccttccccca ccccggtctc aacaacagcc tcccacaaa agaccacccg aatgacatca      540
tgcttggtga gatggcatg ccagtcctca tcaactgggc tgtgcgaccc ctcaacctct      600
ctctacgctg tgtcactgct ggcaccagct gytctatttc aggtctgggc agcagctcca      660
gccccagatt acgctctgct cacaccttgc gatgcgcaa catcaccatc attgagcacc      720

```

```

agaagtgtga gaaagcctac cccggcaaca tcacagacac catggtgtgt gccagcgtgc 780
aggaaggggg caaggactcc tggccagggtg actccggggg cctctctgtc tgtaaccagt 840
ctcttcaagg cattatctcc tggggccagg atccgtgtgc gatcacccga aagcctgggtg 900
tctacacgaa agtctgcaaa tatgtgact ggatccaggga gacgatgaag aacaattaga 960
ctggaccac ccaccacags ccatcaccct ccatttccac ttggtgtttg gtctctgttc 1020
actctgttaa taagaaaccc taagccaaga cctctacga acattctttg ggctctctgg 1080
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ttcaaatctt gccctgaaat attgtgactc tgggaatgac aacacctggt ttgttctctg 1200
ttgtatcccc agccccaag acagctcctg gccatatatc aagggttcaa taaatatttg 1260
ctaaatgaaa aaaaaaaactc ga 1292

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<210> 190
<211> 906
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (144)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (145)
<223> n equals a,t,g, or c

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```

<400> 190
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gactcatttc atccctcagat ggtccttcaa ggtaggtact ttagtcccat tttagagatg 120
agacgattga gggccagagg gtgmgtaac ttgccctggg gtcacgagc acaaaaggag 180
ccgagggcagg atctgaccct tgttctctgg cctcactgcc ctacactttgc catgacccca 240
agttatgtcc ctacaaagca atgcatggtc caaggytctt tttattgtat ttttattttt 300
aaggytccctg ttcaaaaact gtgtgagctc tgaggagtcc tgaacctggg gtcgagcatc 360
ctagcatcct gggagtccct ttctgcccac actgagctgg gctcctcgag ggggtgggct 420
gctgtccctg gaagcctggc agcagcactg tatcggggtg gctgaagctg arocccggtg 480
ggtgcagggc tccmgaatc cccgttttgg tgaaggggtt cctctgtagc mgggatgttt 540
atgaggtctc ttgatgtccc caggcggcagg acatgtgtgc ggggtggagaa aagcaggccc 600
tttcagtgcc agctccactc aatttctatg tggaccaaga acgataaact taaaaaat 660
tttttcccaa ggtatcttca gaattatggt tatttttatg tggaaaaagaa aagttacgaa 720
ggcagctgtt actttaagag aaaattcatt aaaagccctc gaggtatgaa gatgacggcg 780
tgccttccaa tcatcttggc ataacttgat tgtggctgta attttttttt tttttttttg 840
caagcatgtc agacaataaa gcttctgtca aaagrgaaaa aaaaaaaaaa aaaaaaaaaa 900
actcga 960

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<210> 191
<211> 1941
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (561)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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<222> (1414)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1427)
 <223> n equals a,t,g, or c

<400> 191
 cttcagctga agcccaggga ccccttttcc accctgggccc ccaatgcgct cctttccccc 60
 cagagactgg tcttggaaac cctcagcaaa ctcagcatcc aggacacaaa tctggacctg 120
 attctggcca caccocctt cagccgctg gagaagtgt atagcactat ggtgcgcttc 180
 ctcagtgaac gaaagaaccc ggtgtgccc agatggctgt ggtactgctg gccaaccttg 240
 ctcaggggga cagcctggga gctcgtgcca ttgcagtga gaaggccagt atcgccaacc 300
 tectgggctt cctagaggac agccttgccc ccacacagtt ccagcagagc caggccagcc 360
 tccctccact cagagaaccca ccccttgagc caaytagtgt ggacatgatg cggggggctg 420
 ccgcgcgctt gcttgccctt gccaaagtgg acgagaacca ctcagagtgt actctgtacg 480
 aatcaccgct actggacatc tcggatatcc cgttgatgaa ctcaktgtgt tcacaagtca 540
 tttgtgatgt actgtttttg nattggccag tcatgacagc cgtgggacac ctcccccccc 600
 cgtgtgtgtg tgcgtgtgtg gagaacttag aaactgactg ttgcccctta tttatgcaaa 660
 accaccttga aatccagttt accctgtgct gtccagcttc tcccttgga aaaagtctct 720
 cctgtttctc tctccctctt ccacctcccc tccctccatc acctcacgct tttctgttcc 780
 ttgtctcac cttactcccc tcaggacctt accccacctt ctttgaaaag acaaagctct 840
 gcctacatag aagacttttt ttattttaac caaagttaact gttgtttaca gtgagtgttg 900
 ggaaaaaaaa taaaataaaa atggctttcc cagtcccttg atcaacggga tgcacatttt 960
 cataactgtt tttaatggta aaaaaaaaaa aaaaaaatat tctgaaggac 1020
 aaaaaagggt actgctgaac tgtgtgtgtt ttattgttgt acattcacaa tcttgaggga 1080
 gccaaagaat tgcgagttgt gaacagacct tgttcaactg agaggccgtg gcagtagagt 1140
 gttagaccct tcatgtactg tactgtacac ctgatactgt aaacatactg taataataat 1200
 gtctcacatg gaaacagaaa acgctgggtc agcagcaagc tgtagttttt aaaaaatgtt 1260
 ttagttaaac gttgaggaga aaaaaaaaaa aggccttttc cccaaagtat catgtgtgaa 1320
 cctacaacac cctgacctct tctctctctc cttgattgta tgaataaccc tgagatcacc 1380
 tcttagaact ggttttaaac tttagctgca gcgncactgt gnawcngntg gtatatatat 1440
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 ctttatagta tgacgagtta acaagtgtgt gacctgcaca aagcgagaca cagctattta 1560
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 cttgtgtctt cagcagccaa tcaacttata gttttatttt tctctgggtt ttgttttgtt 1680
 ttgtttcttt tctaactcag gtgtgaaaaa gttctaggtt cagttgaagt tctgatgaag 1740
 aaacacaact gagatttttt cagtgataaa atctgcata ttttatttca acaactgagc 1800
 taaaacttga tgaataatcc tccctttttt ccttttttgg ctttaagtat atcaattatt 1860
 cagtatgaaa tctttatact atactgtoca cgtgttaaga ataaactgtac attaaattctt 1920
 ggtaagactt taaaaaaaaa a 1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1324)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1643)
 <223> n equals a,t,g, or c

<400> 192
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 cagctgctct ggcacgtggg acaccytcca ccccgacac aacagggcatg caaagaggag 120
 tggatattggt ggggttagag gcttctgggt tgttcacttt aagaaaacat ctgccaaagag 180
 agaagatgac ccaggaaaga ccaggaaaaa acaagtacat ggctgcttca taccatatac 240
 cccaattcttt taaagcagca aaaggcactt tttttttcag gccagagtga atctaaaaca 300
 aaactggctt tgcttacagg gaagctgtcc cagaaggact gagtgatgcc tcttgttccc 360
 taaggtctgg agagtctctg caagtttcca acgacatttc caaccaggtg ggagagacca 420
 gcagttgacg agacaagtcca gacccaaaaa acgacgcca ggtagttagt ggggtgcctat 480
 ttggggagtag gatgatttga ggaacacagg aagaaaaacc ggtcagaaag tggcactttg 540
 gaagtggaaa gctgttttga aatagcaact ctggctaaag cgaaaatggt aatcaagtag 600
 aaagtaaat tcaggatctt agaagctcat ccttctgatg agaactattt ttttttccgt 660
 gaaggaacta ttactacttt aaaagtggag gtaatttaca tatggggctg atataattcta 720
 aaaaatagtaa taaaagtacc tttataaagg aatgtctgtg ggcttctaga agaagcagg 780
 gaggaaaaaa aggcaggcaa aactagtcta ggtctaggcc ctaaaaatga gcttccctcc 840
 cacttgactg gaacgcacca tctgatttct aggtcgaata taggtaggat ttaacagata 900
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 cagcagcagc cccctccttc tgtgtccatc tgatgcaggc aagcaggagc agcaagaggg 1080
 catcccatgt tccagttcac ctcttatggg gtgactarga ggttcccggt aactagggca 1140
 gccargccc agcaggttgc aaaaagcagc gcaagcttca gaaacccact tctctcaaca 1200
 ccaggggagt ggcagagagc ccattccaaa gccactggg agaggcataa gattctgtgc 1260
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 aanaacaaac gggcagggca ggtgtggcagg aataaaaaac tctggacaga aaccttttta 1380
 ataaaggaaa ttccaccctt cccaatcctt ccatggaaag gtgagacctt aatgtgatgt 1440
 aagagggaag tcttctctgt tttccaggga aacagctgca gctgaaactt agggggccat 1500
 tccaggcagc ttttccacc agccagtcca gccgctccaa gtgcactgtc cagcccatc 1560
 actgccaat tcaacaagcg gtgtgtctct ggcttggctca ggaacatctt tgtctgatct 1620
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 tgatgcagc tcaaaagtctt tgaagtaga ggtctgcgct cctcagactt ctgtgtgggc 1740
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 atcagtgct catagggcaa atctggagg atctgggaca acaggtgggt gaccgaggcc 1860
 atgtcacagt cacagtccag gacttctctc tgcgcataca acacaatcac ggctgcaaaag 1920
 taaatcgcca tcaagtgggt gcaggccagg aagaagtcac ataaccgcac gactgtcctg 1980
 aagtcagaca ggacatgcc aaaccaggtg atgagccagc tgaggggcaa gatggctcct 2040
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 agatagttaa atatatgc 2118

<210> 193
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<400> 193

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agcccgccgg cctggccgtg ggcagccgct ggtggtcccg gtccgtgact gngggccgggt      120
ggcccaaggcc gctctgtgct cggccgnagc tggagccttc tgcgccagct cgaccacgac      180
gaocgcgagg cacctctcgt ccggaaccgc accagagggc aaagtgttgg agacagttgg      240
tgtgtttgag gtgcccanaa agaattggaaa atatgagacc gggcagcttt tccttcatag      300
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tgtggcttct gcagctccag aaaaagcaga gaacctgctt ggccatggct ccaaggagggt      420
gaaagggcaaa actcacactt actatcaggt gctgattgat gctcgtgact gccacatat      480
atctcagaga tctcagacag aagctgtgac ctctcttggt aacctgatg acagtcgggc      540
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cactgatcac gttccctcc aacatgaact ctttgaaga tttcttctgt atgaccagac      660
aaaagccacct ccttttgggg ctcgggagac gctaaggggc tggcagaaga agaatacccc      720
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cagtgggcac atgtggggca cgttccgctt tgaagacct gatggctccc cctttgatgt      1080
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tcataccaca attgctgcag aactcttctc tcccatcat gggccacagt ggtctcttta      1260
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cctctccacc aaggaaactgt gttcagctgc cacaggctcg gaggagtctc ctggcctgtc      1440
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacctga

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<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<400> 194

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ttgccctgaa ggagcagagg gatgcacgc ttggaggtgac ctacagttaga agaagactca      180
ttatgacaga ccttgtccct ctctctgtgt gaaagtgttt cctctgtctg tactgtccat      240
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atagtaactc ttctcatttg ttgggatct ggccamcaag ttccagaatg atacacggat      540
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gaactgtatg ckawkytgc ttctctccat cctcaacttt ctctgtctgc atcatacaca      660
agaatacatt tggaaaggca aaaaatgaac actgttgttc attgcagccg tgttttgtga      720
cacagatgca cagctctgct tgaagacct ctctcaagtg gsatytggga ttccatgcca      780
gatcatgttg ctctcagaga gactgacagc tatcaggggg ttgtggcact agtgaggact      840
ctctccccc agtgtgtgct gatgacacat acacacctga caatagctt agtcttctct      900
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<210> 195

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 195

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gtgagactca attgttccag tgattgtcta tttatgtgct aggacataat tactctctct      180
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gagaatttag caactggctc tgcattcaga aacatttgat aagcattgcc catctgcacat      540
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aggggaattgc agacatatct tattttattc ttaattgaca gatggaaatg tatatatcta      660
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<210> 196

<211> 1458

<212> DNA

<213> Homo sapiens

<400> 196

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ggcacgagat aaactgaaat aggtcatgca aataataaat attattttta aattattttg      60
cataagaanaa gatgggtggcc atactttgct ttaataatgg aaaaaatgtg gtttagcattc      120

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tgtggaaggt	ggtcatcaga	tagtagacat	tttctaggat	ttattctctac	ctgcataatgt	180
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ctaattgggt	aataatggcct	tgtgtctgct	gttctgtctt	gtaggccttc	aatcaagcag	300
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<210> 197

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (675)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1195)

<223> n equals a,t,g, or c

<400> 197

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tctaccacca	ccactgtgaca	aagaacatgg	tgctatctgg	catggggagaa	atgttcaagt	180
tgatattggt	tgtatgtgtc	ccctcaaat	caagtgctgc	caatgtgcga	gcatacaag	240
gtgggtctct	taagagatca	ctaggccatg	agggatctct	ttaggactgg	gacgaaggcc	300
cataataaaa	gaggtttcag	ggagcatctc	gctagctctg	cttctgtatg	tgagaacaca	360
ccaagaaagc	cctagtcca	aagtgcagc	tccttgatct	tgactctccc	atccccca	420
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cagcacaaaa	tgaagatacc	atacctgaac	acctgaacat	tcttcaacag	gtagtcaatg	540
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attttactgct	aaaacccgtt	aaacacttta	atccytttca	atccacttac	cactgctctt	960
gtccagaatt	actgcagac	taatagtcac	ctgactcttc	ccctgcctac	ccgattgtct	1020


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tctcgctcact cctttgtctca acaatgtata agctccatt gctcccaaa taaaaccagg 1140
tttccactgt gtatacaata catccatgat ctgtatccag catcattttg tattngctca 1200
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aaaaaaaaaa aaaaaaactc ga 1282

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<210> 198
<211> 951
<212> DNA
<213> Homo sapiens

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<400> 198
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tgcttaagag aatcaaaaac tgaaaaaat gagaaatcac gaaatggctc ttgtttatttt 180
ttttgtcgtg tttacagctt gttaatgctc tactgtcttt gtttcaagag agatttgttc 240
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gtttagatgt ttgatattgt tctgttttgt attgttatct taaaggtgta taactctgac 360
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tatattctaa ttgatccag ccactgatgc atgtacttta gctactttct ctataaagc 480
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gtgtctactaa tgtttccact gcactgagcc ttcattaat ttgtagcaaa atataaagt 600
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gtggaattaa tgggacagtg tgccctttgt gttagatggt agacaaaaa aaagggctta 720
tagtgttagt attggagcac tttgaagata gatattttca gaaaagagt aggatttaaa 780
agttaaaatt taaaatttag aaaaagatat gatggcaatt gaaaatagtc acaatgaagt 840
tcttcattca gttaggtgtt aacagtgtt ttttgccact ggtaattgtt aaactgtgag 900
tgattttcaa taaatgatta tgaattcaaa aaaaaaaaa aaaaactcgt a 951

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<210> 199
<211> 1740
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1310)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1736)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1737)
<223> n equals a,t,g, or c

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atgctggcgt cccgtgtggt actggttcag ggttctggcc ccagccttgt caggaccgcc 180
tgggtgtccag agccccacac cctcccgcaa caagcagctg atgccccagt gatctctctat 240
acatttttca cctcggccaa tatgtccagg aaaactgctt acttctcttt tcttgcctgt 300
agcccttcatt gtccaccctt acgttgcaat ataggaatta atgccaacaa ataaaagttaa 360

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agcttacctg	aaaagtgcat	agtttggggc	aatgggtatct	acatctccca	ctgtgggaaa	420
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atgtttatgt	ttgaccatgt	ttccaacaat	gggtattttgt	tacgaattat	ccctttaact	540
gaacacctca	gtttttactgt	ttacattatt	aggaaaaacag	ggatatcttt	tgaattctaaa	600
aatttgatgt	acagcatgtg	atttttgaag	ttacatgta	aagtcacagt	atagggtgaaa	660
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aaatcgaccc	tttaattatt	acttgcacat	caacagatct	ccctgccgta	ctgccttttc	1140
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<210> 200

<211> 1707

<212> DNA

<213> Homo sapiens

<400> 200

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agctgatgaa	gaattccaga	ctctggccaaa	ctctctggcga	tactccagtg	cattcaccca	360
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catgaattca	gctccaactg	ctatccaaa	tgacgcaaaa	cccggggtga	aaaggggtga	480
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<210> 201
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 201
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<210> 202
 <211> 1617
 <212> DNA
 <213> Homo sapiens

<400> 202
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 aacactcata taggatgtg ggaacctctg attctctttt ttatttctgt tgatttctgt 780
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<210> 203
 <211> 1974
 <212> DNA
 <213> Homo sapiens

<400> 203
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 ctggggggcg ggggaactca gaaaggttaa attgggcaaa aatgcgtgaag tcacaagaat 1620
 ttggatgggt cagttaattgt tgaagttaca gcatttcaga ttttatgttc agatatttag 1680
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 gcatttcaac aatataatat attctaaaca caatgaataa ggggaataaa tgtatgaact 1860
 ttttgcattg gcttgaagca atataataa ttgtaaacaa aacacagctc ttacctaata 1920
 aacatcttat actgtttgta tgtataaaat aaaggtgctg ctttagtttt ctga 1974

<210> 204
 <211> 1057
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (50)
 <223> n equals a,t,g, or c

<220>
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 <222> (132)
 <223> n equals a,t,g, or c

<220>
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 <222> (751)
 <223> n equals a,t,g, or c

<400> 204
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 cgctatgact tcaaacctgc tctatttgac acttcttctg aaggatacct tgagkttggc 420
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 tcagttacgt aaagaacaac agcaacaaca atgtggaatt casccaggac tcccaatctt 540
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 gattccaaaaa gttcatcctc ttcaagtagt gaggatagtt ctagtgcact agaagatgaa 720
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<210> 205
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (264)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (340)
 <223> n equals a,t,g, or c

<400> 205
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 gagtgtcgtc ctgtttgtccc aggtctggagt gcagctgggc aatctcggct caccacaacc 180
 tctgcctccc ggggtccaaag aattctctct cctcagcctc ccgagaagct ggggattaca 240
 ggcattgcgc accacacacca gctnaatttt atatttttag tagagatggt gttttctccat 300
 tctgttcagg ctggcctcaa actcccaacc tcaggtgatn ccgctctgct tggcctcccc 360
 aaagtgtctg gattacagcg gtgagccact gcgccagcc tcttttgtct ctttatctc 420
 attaacctcac gctgttaact ccgttttttg gaggccaaag tgagaagggt gcttgaggcc 480
 aagagtttga gactagcctg ggcaacacag caagatgcca tctttataat aaaaaataaa 540
 ataaaaatca attagctggg catggtggaa cgcacctgta gtcccagcca attgagaggc 600
 tgaagctggga ggaatcatga gccccaggagt tgagggttga gtgagccatg acatgtccac 660

tacactcagc ctgggcaata gagggacatg ttgtctctaa aaaaaaaaaa aaaaaactcg 720
a 721

<210> 206
<211> 2465
<212> DNA
<213> Homo sapiens

<400> 206
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agggagatga taagaaagag ggaggtaaag acagagcttt gaaaggagtt ctgcgagttg 180
gagttattggc aaaaggatta cttctccgag gagatagaaa tgtcaacctt gttttgtgtt 240
gctcagagaa accttcaaa acattattaa gccgtattgc agaaaacctt cccaaacagc 300
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ttttgaattc atgtgtggaa cccaaatgc aagtactat cacttgaca tctccaatta 420
ttcgagaaga gaacatgagc gaaggagatg taacctcggg tatgttgaaa gaccaccggg 480
acgtcttgga caggcaaaaa tgccttgacg cttctggctgc tctacggcag gctaaagtgtt 540
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attcatatba tgacttaaat gtatttatgt ttgaattga caacataaac tacttttgtc 2400
ttgaaatgat gtatgcttca gtaaaatcat attcaaat ttcaaaaaaa aaaaaaaaaa 2460
ctcga 2465

<210> 207
<211> 1480
<212> DNA
<213> Homo sapiens

<400> 207
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 ttccgctgct gctcgcacct cctcctcgag gcgaaagcaa gaagatgaca gggacgggtt 180
 gctgggtgaa cgaagcaggg aagaagccat tgcctcagttc ccatactgtg aattcacggg 240
 gagagatagc atcacctgtc tcactgtcca ggggacaggg tacattccaa cagagcaagt 300
 aaatgagtg gttggcttga tcccacacag tgatcagaga ttgcgccttc agcgaactaa 360
 gcaatattgc ctctgtcca tctgtcttgg tctcctggca tctgggttgg tggttttctt 420
 cctgtttccg catcagttc ttgtggatga tgacggcctc aaagtgggga aagtcacatt 480
 taataagcaa gactcccttg taattctcac catcatggcc accctgaaaa tcaggaaactc 540
 caactcttac acgttggcag tgaccagcct gtccagccag attcagataga tgaacacagt 600
 ggtgaatttt accgggaagg ccgagatggg aggaccgttt tctatgtgt acttcttctg 660
 cactgtaact gagatcctgg tgcacaacat agtgatcttc atgcgaactt cagtgaagat 720
 ttcatcatt ggctcagga cccagagctc ctgggagaca catcaactag tggattgttg 780
 aggaatttcc acagctattt aacaactgct attgtttctt ccacacagcg cctgtagaag 840
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 gagaggaagt tgggttcactt aactcccagc aaacatcttc ctggcactta ggaggaaaaa 960
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 tgtggagcta ggattgtgag tgacctgcag gccattatca gtgccccttc tgtgcagaag 1200
 tcgcagcaga gagggaacct ccaataacct aagagaatac agacctatgc aggatattga 1260
 ttgttttccg ctgttcccaa aggcctggga gctttttgaa aagaagaaaa aaagtgtgtt 1320
 ggcttttttt ttcttttagaa agttagaatt gtttttacca agagtctatg tggggcttga 1380
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<210> 208
 <211> 872
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (856)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (872)
 <223> n equals a,t,g, or c

<400> 208
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 tgtctctctgt ggccttctgt tgtacccttc ttctctagc cttcagttc cctcagttac 120
 ctccctagta gcagatctg tccaagcttt cattcaata gaacaactcc atctccattt 180

caaggtaggt	caatggggg	aaaagcctca	tgattttaa	tgaagttaa	aacacagctt	240
ttaaaatgaa	aactcatact	ccaacttcta	aagtatat	gagctgatt	gtttccaaaa	300
caagatagc	ctgtacctaa	aactgctaaa	acaaaaatat	aaagacaggt	actaggtgat	360
caaggggaga	gaaaaatcat	yccttttcca	ggaacacctt	gctaaaaata	gcaaaacttg	420
antctatgct	tcattggaaa	tgacacaaa	aaaagaaact	gatggattgc	acagggcctg	480
ttatagaaat	agatctataa	aaagatctgt	ccacaggaaa	tatacacctt	ctcctgggtc	540
tgaacttcaa	tggggatttg	tcacctaggt	ctccatctat	aggaatacct	tcacacacct	600
atctattcat	gcacatactt	tgaataacag	tacatacaaa	attacacaaa	aggaaaaaaa	660
ttctattgaa	cacttaaaaa	tagaaaacag	ccaggcacgg	tgggtcatgc	tgtaattcca	720
acaatttggg	aggctgagcg	tgggtgatca	cctgagggtc	ggagtgtgag	accagcttgg	780
ccaacatggt	gaacaccogt	cactactaaa	aatacaaaaa	aaattagcct	gtgtggtggc	840
acaactentac	aatccnngct	gactcgggaa	an			872

<210> 209

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 209

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ttggcttcat	wtgtgtcttg	agataaaatg	gccagcataa	atgctgttta	tattcacgtt	180
ttcttaggtg	tgtgtgtgca	ggccacagca	gcattgccctt	gggtgtagtc	gtgcccgaas	240
gggtctgttc	cttcttgagc	ctgcttcgag	ggatggtctc	cttttaaaag	agggtgtgtg	300
cagcattcag	tacactgaag	gtaagctaaa	ccatcaacat	ctctgggtgt	ttaagatggt	360
attctattgg	aacaactgac	aaatgagggg	tgttagcttt	gtggcagaat	cttcctgcag	420
tgtgtatact	gatcttgttt	tatttttttg	cattgcaact	gtggcatagt	tacaattttc	480
gttctgtcat	cacatbtaaa	attggragag	aacggcgttg	akggaatag	cgcttcagk	540
gtactgtttc	ttactaactt	tacttttttt	aaatcaactt	gctatagact	ttatatacat	600
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aaaagtgtag	gcctaattct	gaaagtcttc	atatbtaaa	gctagacaaa	gtaatgaaat	720
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ttgggtgcatt	caagaatggc	aaatcagaat	agcagcagat	attttctctg	tgcatgtcag	1560
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<210> 210

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<21> SITE
 <22> (750)
 <23> n equals a,t,g, or c

<400> 210
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 gccggccgctg gctgcgcgtc gtggcgccga gaggagagga gaggcgagct ctggcgaggt 120
 gtccctgtccc aagcgccctgg aaagcggtcc ctctctggag cccgggtgtt gggaccaggt 180
 gccttcggagg ggcctcggct gcccccacct cggagccact gctagaaggg gccgctcccc 240
 agcctttcac cactctgat gacacccctt gccaggagca gcccaaggaa gtccctaaagg 300
 ctcccagcac ctccggcctt cagcaggttg cctttmagcc tgggcagaag gtttatgtgt 360
 ggtacggggg tcaagagtgc acagactgg tggwgcagca cagctggtagt gagggtcagg 420
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 tggcagagct gccgggcccc tgtccccagg caccaccctt ggagcccgga gccacggccc 540
 tggcctacag gcccgctccc aggaacatcg atgtcccaa gaggaagtcg gacgcatgga 600
 aatggatgag atgatggcgg ccatgtgtct gacgtccctg tcttgacgac ctgttgtaca 660
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 aagaaggcct gccacgctt tctggactga gctgtgctgc aggttctact ctgttccgtg 1680
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 cctaaataag gagagagcca aaactgacca aggcctatca gcagtgaacc agtgaccaaa 1920
 aaaaataatc cctccggtt cccacatccc cactctctag gggatagct tgtcgtgtgc 1980
 aaaaagaagg acagctcgtt ctgcttctgt ctgagtcgtt gaattctctg cttcttaaac 2040
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 aaaactcga 2160

<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (200)
 <223> n equals a,t,g, or c

<400> 211
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 ttttcttgat gtttgaaaaa agtttaagct atgtccaat ttaaaaatga gccacaaact 120
 cttaaacagat gtccgttccc tcttctctta cttaaatat ctttatcttc accatcacct 180
 cccagtcgcy aaacactgan ctctcgtctt tgcgttgga cctcgggtcg ccaagttctc 240

[illegible]

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<210> 213
<211> 997
<212> DNA
<213> Homo sapiens
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<210> 214
<211> 1496
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (451)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (454)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1485)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1492)

<223> n equals a,t,g, or c

<400> 214

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ttttccatct	ttgtcatagc	ttcatcacgc	acgatggagg	tcacttcagc	actatccgga	180
gcggcctcac	ggacagater	gtgaatttcc	ttttcccttt	tcttgatgtc	ccggattgtc	240
gactcgttaa	cattgagctc	atggccaaca	gcactgcaac	tcactgcctga	ttggagctta	300
tccaacacgc	ggamttttct	cgttaaggsam	atcamggtct	tctttcgctt	aggaacactg	360
ggcararctt	aaractactg	cttggggggcc	attttagaaa	gcaaaaccac	ccacaaaaag	420
cagaaaaaaa	agtgctagta	aacagactgn	nganaggact	ctttgtttac	agcacaggag	480
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<210> 215

<211> 1308

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1247)

<223> n equals a,t,g, or c

<400> 215

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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

<400> 216

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aaaaaaaaa	aaaaaaaaa	aaaaa				1705

<210> 217

<211> 999

<212> DNA

<213> Homo sapiens

<400> 217

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attgagtgyc	ttaataatag	tytacaata	ctatgtattt	atgcataaat	gttaaaagttc	300
tcactctgta	tgaatggata	ctgtgtcttg	tcagtagtgg	tcagcatctg	gttctgagct	360
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<210> 218

<211> 941

<212> DNA

<213> Homo sapiens

<400> 218

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tctgtctctc	ttttttctcc	cccttatatt	gtgctttcat	tcattcattc	attcatcaaa	360
cattctgtga	gcacctatta	tgtgtcaagc	tctgtgtgct	ccctctggaa	acctgccctc	420
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<210> 219

<211> 575

<212> DNA

<213> Homo sapiens

<400> 219

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<210> 220

<211> 3018

<212> DNA

<213> Homo sapiens

<400> 220

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catcatctat	gatataatga	atgaattaat	gggaaagaga	ttttctccaa	aggaccggac	180
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<210> 221
 <211> 2031
 <212> DNA
 <213> Homo sapiens

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<400> 221
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<210> 222
<211> 968
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (954)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (961)
<223> n equals a,t,g, or c
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[illegible]

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<211> 1404
<212> DNA
<213> Homo sapiens
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<222> (1351)
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<223> n equals a,t,g, or c

<400> 223

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ccaaggggtg	atgcgagctg	tcaggaagca	tgccaagggc	ctgcacatag	tgccctcggt	540
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agaggagctg	agcaagaccg	tgttccaggt	ggcacaagaa	cagcatttgc	atggtctcgt	660
ggtgtgagtc	tggaaccagc	tgctaagcca	gaagcgcgtg	ggcctcatcc	acatgctcac	720
ccacttggtc	gaggtctctc	accaggcccg	gctgctggcc	ctcctgtgta	tcccgcctgc	780
catcaccccc	gggaccgacc	agctgggcat	gttccagcac	aaggagtttg	agcagctggc	840
cccctgtctg	gatgggttca	gcctcatgac	ctacgactac	tctacagcgc	atcagcctgg	900
ccctaagtca	cccctgtcct	gggttcgagc	ctgcgtccag	gtcctggacc	cgaagtccaa	960
gtggcgaagc	aaaatccctc	tgggggtcaa	cttctatgg	atggactacg	cgacctccaa	1020
ggatgccctg	gagcctgttg	tcggggccag	gtacatccag	acactgaagg	accacaggcc	1080
cggatgtgtg	tgggacagcc	aggyctcaga	gcacttcttc	gagtcacaag	agagccgcag	1140
tgggaggcac	gtcgtcttct	acccaaccct	gaagtccctg	caggtgcggc	tggagctggc	1200
cgggagctg	ggcgttgggg	tctctatctg	ggagctggcc	agggcctgga	ctactcttac	1260
gaactgcctc	aggtgggcat	tgcggcctcc	gcgggtggag	tgttctcttc	taagccatgg	1320
agtgaagtga	caggtgtgaa	atacaggcct	ncactccgtc	tgctgtgaaa	aaaaaaaaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaa				1404

<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

ngcgcgcctg	cagtcgacac	tagtggatcc	aaagaattcg	gcacgagggc	aggctccagg	60
ctcagaatc	agctctattg	acgaattctg	ccgcaagttc	cgcccgagct	gcccgtcggc	120
catggagcgg	atcaaggagg	accggcccat	caccatcaa	gacgacaagg	gcaacctcaa	180

```

ccgctgeatc gcagacgtgg tctcgtcttt catcacggtc atggacaagc tgcgcctgga 240
gatccgcggc atgggatgaga tccagcccca cctgcagagc ctgatggaga ccatgcaccg 300
catgagccac ctcccacccg actttgaggg ccgcccagagc gtcagccagt ggctgcagac 360
ccctgagggc atgtcggcgt cagatgagct ggacgactca caggtgctgc agatgtctgt 420
cgacctggag tcagctaca acgccttcaa cgccttctcg catgcttgag cccggggcac 480
tagcccttgc acagaagggc agagtctgag gcgatggctc ctggtccccc gtccgccaca 540
cagggcgtgg tcatccacac aactcactgt ctgcagctgc ctgtctgttg tctgtcttgc 600
gtgtcagaaac ttctggggcg gggccctccc cacaataaag atgcctcccg accttcaaaa 660
aaaaaaaaa aaaaactcrg gggggggccc gtcaccaatc ccccnnn 707

```

```

<210> 225
<211> 1384
<212> DNA
<213> Homo sapiens

```

```

<400> 225
gggaaactgc agtgacagca ggagtaagag tgggaggcag gacagagctg ggacacaggt 60
atggagaggg ggtctcagca gccatagagag ggcagactat caggggtgcc ggcttgagaa 120
tccagggaga gaggcggaaa cagaagaggg gcagaagacc ggggcacttg tgggttcgag 180
agccctctcag ccatgttggg agccaagcca cactggctac caggtccccc acacagctcc 240
gggtgccttc tggttcttgt gcttctggcc ctggggggcc ggtggggcca gggaggggtca 300
gagcccgctc tgcctggagg ggagtgcctg gtggtctgtg agcctggccc agctgcttga 360
gtgctggagg gaccccccgt ggcagatggc atttgcctgc 420
ggggggcccc amgagcagc cctgggagag gcacccccct ggcagatggc atttgcctgc 480
gtccgaagcc gccaccatga gccagcaggg gaaaccggca atggcaccak tggggccatc 540
tacttcgacc aggtctctgt gaacgagggc ggtggcttgc accggggcctc tggctctctc 600
gtagccctct tccgggggtg ctacagcttc cggttccatg tgggaaaggt gtacaaccgc 660
caaacctgct aggtgagctc gatgctgaac acgtggcctg tcatctcagc ctttgcctat 720
gatcctgagc tgaccgggga ggcagccacc agctctgtgc tactgcccct ggacccttggg 780
gaccgagtgct ctctgcctgc cgtctggggg aatctacttg gtggttggaa atactcaagt 840
tctctcgtct tctctcatct cctctctctg gaccccaagt ytttcaagca caagaatcca 900
gcccttgaca actttctctc gcctctctct gcccagaaa cagcagagggc aggagagaga 960
ctccctcttg ytccatccc acyctcttgc atgggacmct gtgccaalca cccaagtta 1020
agaraarary ararctgwgw caggtatata gacgtggaag tggaccatgg aaaacatgga 1080
taaccatgca tcytcttgtg tggccacctc ctgaaactgt ccacctttga agtttgaaat 1140
ttagtccctc gmacctctga ctgctgcctc ctctctccca gctctctcac ttagttatyt 1200
tcactgtacc tgttcagca tatccacct atctctctct ctctctatct gtgctgtctt 1260
attccctccc ttaggtctcc tactacctgg gattccatga ttcatctct cagacctct 1320
cctgccagta tgcctaaacc cctctctctc ttctctatcc cgtctgacca tggggccagc 1380
ctggtatgat ctatcaataa aacaactaga gaatggtggc caaaaaaaaa aaaaaaaac 1384
tcga

```

```

<210> 226
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (773)
<223> n equals a,t,g, or c

```

```

<400> 226
tttaaatgat aagaaatgac aaggaggaga gatgagatgg aaagtggttt ggaagagata 60
aggggtcttra gaaagaaatt tagggctctg catttcaacc atagagcattc tcgggaccgt 120
ccttatccca tttaattaat tctcttgaca attcaattat ttcccgattt taaagtgcc 180
actgctctct tctgtctcgc acttctctga taaatatttg ctatgctttt acccagctca 240

```

```
<210> 227
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (344)
<223> n equals a,t,g, or c
```

```
<210> 228
<211> 1102
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (462)
<223> n equals a,t,g, or c
```

```
<400> 228
tttttttttt accattttaa ataaaatgaa agtgaccttc tgtttataaa aatctttgtc 60
tgcatctctg cttatttctc tagaagagat tccagaagaa ggtgagtgat ttcacggcag 120
cagagatctt ccacatataa cgggcgcgga tccctcttgg agtgaagatga ctctcccdag 180
```

```

agatttagtc gtcaccctcg cgtgtgaggg tgcgtcacac cccagggatg tgcctatcaa 240
gatgggaagat cttttacacg cctctgattt tgtttgscly tttttctatt actagtggaga 300
akgaaactat ttatatgatt attatccatc ataataccaac acaaaattact gcttcatggt 360
cttttacttt cctgtgaagg ttttagtgcc ttttaaaaaa tgctatataa taagcttgtt 420
aatacttcca tgcgtgtattt gtggscatca rtttcccccg gnacaggcnt gcacattttg 480
ccttcacacg ctgggtgtgtt ttcatttttc amttctattt ctggttcttc tatcgtttta 540
tgctcagagc ggtttctccg tctagaaagg agtttatgaa gatttacttt cgacagtctt 600
ctctctactt tctacagtga attctctgat gtgtctggga gtttgggggt ctgggttaaga 660
rtctctctct caccctattc tctattacga tccacagcct catgctttat garattgggtg 720
gcccggargc gggggagattt ggggatcccc caagccagac ttatcccccc tatccccgcc 780
tctggatccc acgtacagcg ctgggaactc cctgtgggta gggggccaatg gtcctcgact 840
ctcacctgta cccacaggct ggcacaggat ggtcaaggag agaggctgcc caagcgcatc 900
cyctctggtt cccctcgaca cgctccaaa gtgagcaggt aggtttcaac agccccacgt 960
tgcaggtggg agatgaagct caggggtggag accagtatct cacagttctc tttgcatggc 1020
cgggtacttg ttagtcaact gatcaagtga aaattctagc cccagaggga ggagaatccg 1080
gaacaaaaat aaaccagcca gg 1102

```

```

<210> 229
<211> 744
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (392)
<223> n equals a,t,g, or c

```

```

<400> 229
gaattcggca cgagagtggc tggagtctgg ctgcagaggg aagacatcag cagggaggga 60
gccagggcct gtcacatctt cctctggccc attgtcctgg tcttttgtaag ccagaaatct 120
ccccttccct gaaggaggcg cagcacccca ggagggcagc aggtgtgctg tgaggggttg 180
agtagtgta gaggtcaggg tacactagaa tggccatgga caccatgtgg ggggtgctctg 240
ggctggggcca cagaacagtg tctctctgct tgctctctcc ctgcagcttc ccccgacctt 300
gtngtttatt tgggttgata ccaatcagca gacctgtcaa ggtggaagct cccaggctct 360
cagttccacs actctcatgt gccagtcacc cntactgtaa ctgccccaat agtacttctt 420
gcccactgcc aagatagagc cagtttacca agacagggga attgcagtag agaaaagagt 480
gaatatacat agagccagct aaatgggaga gtggagtgtt ctatctactt aaatcagcct 540
cccytaaaat tcagaggtga gaatttttca aggacagttt ggtggscagg cctaggggat 600
ggatgctgct gattggctag ggaatgcaat ataggggtgt agaaaagtcw cttgtgcact 660
gagtccactt ttggtgagag ctaccaagga gctgctggtc tgctgggtccc ggtagagcca 720
tctggtgtca ggaatgcaaa agtg 744

```

```

<210> 230
<211> 1935
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

```

<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1927)
 <223> n equals a,t,g, or c

<400> 230

ntctacccta	atcaagatgg	ggacatactt	cgagaccagg	ttcttcctatga	acatatccag	60
agatttgtcta	aagtagtgac	tgcaaatcac	agagctctctc	agataccaga	ggtttatctct	120
cgagaagcac	catggccatc	tgcaaatca	gaatccaggga	caataagtg	ttataaaacc	180
ccccgggaca	aagtgcagtg	catcctgaga	atgtgctcta	cgattatgaa	cctcctgagc	240
ctggccaatg	aggactctgt	ccttgaggcg	gatgaacttg	ttcctgtgtg	gggtgtgttg	300
ttgataaagg	caaattccacc	ctgtttgtctg	tctactgtgc	agtatatcag	tagcttttat	360
gctagctgtc	tgcttgagg	ggagtcctat	tggtggatgc	agttccacgc	agcagtagaa	420
ttctataaaa	ccatcgatga	ccgaaagtga	ccaagaccaa	ggccaccaca	ggcagcagac	480
tgtaaatcag	acaaacagat	ctctgagaag	gtgcatcagc	tgctttgaag	gctgaagatt	540
gtttttgatg	atactgcaca	gcatacaggca	ttttaaagca	gatctttact	aaacaggtta	600
atgagctaac	aagcagggttc	tctcgtctct	gggctctcttc	ctttctgagt	tgcatattct	660
atctttctgt	ccccaaagt	agactagtac	tacaaaaagg	gaccacattt	ttcaagtatt	720
tctaagatata	aaaaacaaaa	caaaaatctc	ttagggaagt	tctagacctc	cattcttgga	780
ttccctctct	ttccttttat	tttaaaaaag	aacagtaacc	ctcttttaag	atgctgtctt	840
acattaatga	gcatactaag	gaaagaagggt	atgagttgca	ctgaggatta	gaatagtggg	900
gcgttagtgg	catattctat	aaatacactc	acctaaattg	aaagctaaga	aggaatattga	960
aatataatat	atattttat	ttgatgtaat	atggacattc	gcagattcta	ataaaacaagg	1020
actattgcgc	atagtaggct	gtgacatact	gtcttgtaga	atggctcttc	tcgacaaaatt	1080
taagcttgagc	ttaaaagcaa	aaaaacaaaa	agtaacacaga	aatattttat	aaaatgtaat	1140
acagtttatt	gaactctcta	ggtatggagt	ttgatggaca	gggctgccty	taatgagtgt	1200
gaaggctcact	aagtcactta	gacatctcac	cgtaggaagt	tgtagcctg	cattagagaga	1260
tagactgatt	accatacatg	acataaaaaag	gaacagtggga	tagctcatac	tttatgggtg	1320
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aattgttaata	tatttttgat	gattattcac	atggaatgca	cagaccaaga	attcagtga	1440
tgtaactttt	taaaaaacta	atttgtattg	tctgctctag	tgatacaagt	tttactagt	1500
ataaactatt	ttaatacaac	atactattct	tatggaaaaa	aatatctatt	tggcaggggt	1560
tctgtgcctt	tatttccctc	ttctgaaaaa	aagtcctgtg	ttccataagt	tggcttgcat	1620
tgatatataa	taattaatca	ggaattgggt	ttggtgcctg	aaaaattggc	catggaggga	1680
caccocaaagt	tcaagcacaa	gtctgtgtaca	tgggccatca	ctgctctgggt	ctacttcgtg	1740
tgcttctctaa	acacattttg	ctgctttttt	aaacaaactca	gccccatact	tgagtcctct	1800
gttggtggga	gcattttccag	gcatacttcta	agggaaactgt	gacaaacagc	ctcgggcaga	1860
tgaacacgga	ggctctctgt	tgctgtgctc	tgagatcttt	tggtctggga	atgcctaaag	1920
nttttgnttt	ttttt					1935

<210> 231
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1034)
 <223> n equals a,t,g, or c

<400> 231
 agaggcctgg ctgcgttgcc ctatctccgt ctcgccacc cacttagcgt tttaggcac 60
 aattaccagc agtttctccg ccactatctg gaaaattacc cgattgctcc cggcagaata 120
 caagagcttg aagaacgcgc cagttgcgtg gaagcctgca gagcaaggga agcagcggtt 180
 gatgccgaat atcagcgaaa tcttcacagg gtggacctcg atattttaac ctttacgata 240
 gctctgactg cctctgaagt tatcaacct ctgatatagag aacttggttg cgataagttt 300
 atcaatagag aatagtttag tggtagacct acttcaagag aacctctgca ttcagatcat 360
 accaatctcg caacttgatt ttcagaagtc aagagtatat cgcgataaga cagtgcacag 420
 gtggaggggga aaaaaagggg gaggggggaag ctatcttga aaaagcatca cagaagtaga 480
 aaaaaatgct gaaagcatta taactgtaac gttctttgag tttgtgattg atccacattt 540
 ttccccctgc attatggaaa atgtctctca gatttgcttt attacaaagt aaaggatggt 600
 tttataaaat tgagactgat gaaacatcaa tactagagcc catgaggatg aaagaaatta 660
 tcaaatatgtg ctgaacagaa taagatgtta acgtgagtt attaggactg gaaggtcatg 720
 aaaagaactt gaaattgtcg gaatatgtgc tctcttcacg tcatattcaa tagaagtttc 780
 tagtttaaga ttgattttgt gtttctttag gcatttcaag tgacaagcaa agtaaatgta 840
 tatattatgt gacaaatcat gttttcaaga acgtcaaaat tctggacttt tttctttcaa 900
 tttttaattt taaagtctt tttggtatta aaaaatcyat tcacaagcca aaaaatwtwt 960
 waaatwtwcm gcgaaagacc aaaaaaaaa aaaaammaggg gggggcgggc cccatccccc 1020
 caaggggggc cngnt 1035

<210> 232
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (741)
 <223> n equals a,t,g, or c

<400> 232
 gggctcgacc acgcgtccgc tgaccagtcc gttatagata ctcttctcta taccaaaact 60
 gtttaaacag gtgccaccac aagggatgtc gtccttactc tctgcgggtc ttcaagcabc 120
 cttttgtggg aaargtetct gggcaagcgc gtgggtattg gtctgctgct tgcctccctt 180
 ttccaccagc ggatgtgtgtg atcataagtc aaaaacaacg tatattccaa atctcaaaaag 240
 ctattgtggc ctgagcacaa ttgaaatcca cgagagtttt tctatgttag ctttagagta 300
 actctctcgc ttctctgtca cttacaattc aggttctgccc tttgcctaag agcatgagca 360
 gaagagtccct catgtgacgc ttagttctat tgcagtcctg ggtgaaacta ttttaagcwat 420
 ggggctgctk ctcccccawt cctccctaac aattcgttgt gtggacttct catctaaaaa 480
 gttagtggct ttgcttgagg atcagtgccc tctattgatg ttcttgctgt cctccagaca 540
 catctctgtt gcaataagac ttgaaagact tctagatgtg tgacgtccag gcacaggatg 600
 ctgaaagcta tgttactatt cttagtctgt aaattgtcct ttgtacacca tcatctgttt 660
 ttctttttgt aggtataaat aaaaacactg ttgacaaaca aaaaaaaa aaaaaaaa 720
 aaaaaaaaa aaaaaaaaa naaaaaaaaa aaaaaaaaaa 760

<210> 233
 <211> 2057

<212> DNA
<213> Homo sapiens

<400> 233
 ccgagccggc tgcgcggggg gaatccgtgc gggcgccctc cgtcccrctc ccatccctgc 60
 cgcgcctcac caccctctgaa gttttgcagc gcccagaaag gaggcgagga agggaggaggt 120
 gtgtgagagg agggagcaaa aagctcacc ctaaaacatt atttcaagga gaaaagaaaa 180
 aggggggggc caaaaaatggc tggggcaatt atagaaaaa tgagcaccac gaagctgtgc 240
 attgtgtgtg ggtattctgt cgtgttccaa atcatcgctt ttctgtgtgg aggcttgatt 300
 gtccacgggc ccacaaacggc agtgtccctac atgtcgttga aatgtgttga tgcccgttag 360
 aaccatcaca agacaaaatg gttcgtgcct tggggaccac atcatgttga caagatccga 420
 gacattgaag aggcattccc aaggggaaat gaagccaatg acatcgtgtt ttctgttccac 480
 attccctccc cccacatgga gatgagtcc tggttccaat tcatggtgtt tatcctgcag 540
 ctggacattg ccttcaagct aaacaaccaa atcagrgaaa atgcagaagt ctcctaggac 600
 gttccctcgg cttaccgtga tgacgcgttt gctgagtggc ctgaaatggc ccatgaaaga 660
 gtaccacgga aactcaaatg cacttcaca tctcccaaga ctccagagca tggaggggccg 720
 gttactatga atgtgatgc cttcctttca tggaaaattg gctgtgtggc catgaagttt 780
 taccctttaa acatccggct gcctgtgaat gagaagaaga aaatcaatgt gggaaattggg 840
 gagataaagg atatccggtt ggtggggatc caccaaaatg gaggcttccac caaggtgttg 900
 ttgtgcatag agaccttcc taccgccagc atcttcatca tcatgggtgtg gttattggagg 960
 aggatcacca tcatgtcccg acccccagtg cttctggaaa aagtcattct tgcccttggg 1020
 atttcatag cctttatcaa tatccagtg gaatgggttt ccctcgggtt tgactggacc 1080
 tggatgctgc tgtttgttga catccgacag gcatcttcta tgcrtatgctt ctktcctctt 1140
 ggtatcatct cgtgtggcag cacatgatgg atcagcacga gcggaaccac atcgcagggt 1200
 attggaagca agtcggacc attgccgttg gtcccttctg cttctcatat ttgacatgtg 1260
 tgagagaggg gtacaaactca cgaatccctt ctacagtatc tggactacag acattgggaa 1320
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 tttctatgct tcatgttatt tcagggtgtt cggaacatca gtgggaagca gtccagccctg 1440
 ccagctatga gcaaaatccg gcggctacac tatgaggggc taatttttag gttcaagttc 1500
 ctcattgcta tcaacttggc atgcgctgct atgactgtca tctcttccat cgttagtcag 1560
 gtaacggaag gccattggga aatggggcgg cgtccacgtc ccaagtgaa agtgcctttt 1620
 tcacaggcat ctatgggatg tggaaatcgt atgtcttttg cttgatgttc ttgtatgcac 1680
 catccataa aaactatgga gaagaccagt ccaattggaa gcaactccca tgtaaaatcga 1740
 ggggaagattg tgctttgttt gtttcggaac tttatcaaga attgttcagc cttcgaaat 1800
 attccttcat caatgacac gcagcttctg gtatttgagt caacaaggca acacatgttt 1860
 atcagctttg catttgcagt tctcacagtc acattgatgt tacttgtata cgcacacaaa 1920
 tacactcatt tagcctttat ctcaaaatgt taaaataaag gaaaaaagcg tcaacaataa 1980
 atattctttg agtattgtct tacttctctt aaaaaaaaa aaaaaaacte gtcgccgaatt 2040
 cggcacgagc ggcacga 2057

<210> 234
<211> 2084
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (775)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2080)
<223> n equals a,t,g, or c

<220>
<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

ggcagagggc	catttccctgc	aaagagccaa	acccccattc	ctctgtgccc	ctcctctccc	60
accaagtgc	ttataaaaa	agctcttgtt	accggaaata	acrtgttcatt	tttccactcct	120
ccctcctagg	tcacactttt	cagaaaaaga	atctgcaccc	tggaaaaccag	aagaaaaata	180
tgagacgggg	aactcatcgtg	tgaagtgtgt	scgtgcctttg	gctgagtggtg	tggagtcctg	240
ctcagtggt	aggtagacgtg	tgtttgacgtg	tgggtggcttg	aggggaaccg	ctgtttcaga	300
gctgtgactg	cggtgcact	gcagagaagc	tgcccttggc	tgctcgtagc	gccgggacct	360
ctctcctcgt	cctcatccag	acagcccgagt	gtccggggagg	cagaaggtag	cgggggcagct	420
actggaggac	tgtgcggggc	tgccctgggct	gcccccctccg	ccgtggggggc	ctgttgctgc	480
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<210> 235

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2058)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2132)
 <223> n equals a,t,g, or c

<400> 235
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 tcaccaacac gctatttttg gcagtgccag catccattgt gttttatcat tggaacacaa 180
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 caaacaccaa gagggttggc ttltcaccat tgtctgagga agaggaggag gatgaacaaa 360
 aggagcctat gctgaaagaa agctttgaag gaatgaaat gagaagtacc aaacaagaac 420
 ccaatggaaa tagtaaaagt aacaaagcac aggaagatga tttgaagtgg ttagaagaga 480
 atgttccctc ttctgtgaca gatgtagcac ttccagccct tctggatcca gatgaggaac 540
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<210> 236
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (528)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (552)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1133)
 <223> n equals a,t,g, or c

<400> 236
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 ccacacttca cttgaagcct tagaaacctt tcccaccatc gctcccagcc ctggcttcat 180
 gttgcoattt cccaccccca gaacaggccg cccgcctgaa gaaactacaa gagcaagaga 240
 aacaacagaa agtggagttt cgtaaaaagga tggagaagga ggtgtcagat ttcattcaag 300
 acagtgggca gatcaagaaa aagtttcagc caatgaacaa gatcgagagg agcactactac 360
 atgatgtggt ggaagtggct ggccctgacat ccttctcctt tggggagat gatgactgtc 420
 gctatgtcat gatctcaaaa aaggagtttg caccctcaga tgaagagcta gaccttacc 480
 ctgctggaga ggaatgggac cccagaaagg ctgaggagaa gcggaacctg aaggagctgg 540
 cccagaggca angaggagga ggcagccagc caggggcctg tgggtggtgag cctgtcccagc 600
 gactacaagg acaagtacag ccacctcacc ggcaaggagg cagccaaaga cgcagccac 660
 atgtcacagg ccaataagac ctacggctgt ktgcccgtgg ccaataagag gagacacagc 720
 tccattgaaagg aggcctatgaa tgagatcaga gccaaagaag gtctgcggca gagtggggaa 780
 gagtgtgcgc caacctccta ggcccccgc ccagctccct ttgacctctg gggcagggca 840
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 ccacctccta ccagctgtcc ctccaggctgg gggaaaaacag gtgttttgat tgcaccgct 960
 ggaagcttga tatgtgcgtg gcattgtgtg gtgtgtgtga gagtgcgaat gcacaggtgg 1020
 gtatttaac tgattatttc cccgtctctg gaattttctt cccatggggc tgggttactt 1080
 tacattcaat aaatactgtt taacccaaaa aaaaaaaaaa aaagaaga agn 1133

<210> 237
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<400> 237
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 cccagcgctt cctccctctc ccatcagcag cctgtgaaca agtgccttgt gagaaaaaggt 180
 ggagaagtga gggcagccag gttattctct ggatgaaggg gtacctaggt 240
 agatgtgaag tgtgggcttg gttaaaggaaa tgcctaccat cccccaccct caaccaagtt 300
 ctccagactt aaagaattcaa ggtaacatca atacctagcc ctgagaaata acccatctc 360
 tgttggtgac ctcccctgctt tgccttgcat gaacagagtt gatgaagtg ggggtgtggc 420
 aacaagctgc ttctccttgcc taactttagtc acccagcaga gccacttgag ctggctagtc 480
 cagccaccac atgggtgcag actcttccat aagggaatct cacccttcca ctctcatgca 540
 agaaggccca gttgccacag attatacaac cattaccocaa accactctga cagctctccc 600
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 cccctgtggc ctggctttaag ccgacactcc tgacctctct gttcaccctg agggctgtct 780
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 tgagacaggg tacaggaaac ctgtagctca atcagtgctt cttcaactcg ataaagcaata 960
 agatctttaat aaagtcttct aggcctgtag gctgttctca caaccacagc caaaaaaaaa 1020
 aaaaa 1025

<210> 238

<211> 1400
 <212> DNA
 <213> Homo sapiens

<400> 238
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 ggaaggcata gggcgagaga atgggaagat gtagtggagg cgggttgta aagtgtctgc 180
 agtgagtgat tttgtctact tgaataatgg tccatgtttg ggggcatatt gtgtttcata 240
 agaagtgaac ggtatttgca aagtaagcta caaatgacc aataatctgt taacaacatg 300
 ccttaattgc caaagatgaa aaacaagcat tactgtcacc caaagggaaac tgggtctctg 360
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 ataggaggta gttactgaga tgagattgtt ttatcttttt gaatacagat cctgtgtctt 480
 gagttagttc tgaggatggg agtaataaag gagtttctgt tttttttgtt tgtttgtttg 540
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 cttttaaaaa aattagcata taccatagca ataaaaaac taatgttaac tattgtatgc 720
 tacaacttaa gtgatttttc taaagaagca caatgtcatt graagtatta ttgaaaaggaa 780
 tcatagtcac attgaatttg tgaaggccaa agaattgaa gggagtgata ttttcatttt 840
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 gattgtaaaa ttatgtcata ttaactttta agtctgtaac aacttgacat caaaatgtta 1200
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 aaaaaaaaaa aaaactcga 1400

<210> 239
 <211> 1250
 <212> DNA
 <213> Homo sapiens

<400> 239
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 ctgttgataa actggcacc agtgcctatg gtcacgggt tctgtcttca ccaggggcatc 240
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 tccatgcagg gttaaatgca gttgtgcca tcttgcatt tatcctgtg gttgcctgtg 360
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<210> 240
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<400> 240
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 catgaattgtc ctttgggtgc tgtttctttt aaatcccttg tgcacaggcg tctggcccttt 120
 artaaaactgt ttttctgtct tacgtcatgc tgactgggtg ctaggggctg attacaaaagg 180
 ggaagagtgt aacagacatc agggggccgat gaaaccaaag gactaggagt caggagaaca 240
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 acctgaatgt tctactaca caaataaaca tatattaat wctaaaaaaa aaaaaaaaaa 1260
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<210> 241
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 241
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 tcaatcctcc tagaattcag ccccaattg cccagttacc aataaaaaact tgtacaccag 120
 cccaggggac agtctcaaat gcaaatccac agagtgasmc accacctcgg gtgaattttg 180
 atgacacaaa tccctttagt gaagatttc aagaacggga acgttaaggaa cgtttacagag 240
 aacagcaaga gagacaacgg atccaactca tgcaggaggt agatagacaa agagcctttgc 300

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agcagaggat ggaatggag cagcatggta tgggtggctc tgagataagt agtagtagga      350
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taggacccct tcagcagttc ccacaacacc aacagcaaat ggggcagggt ttacagcagc      480
agaatataca acaaggatca attaatccac cctccaccca aactttcatg cagactaatg      540
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ccaatcgctc attcagttgt attctgatat aatcccagag gaaaaagggn aaaaaaaaaa      840
amaaraaara araaaggaga tgatgatgca gaattccacc aaggctcc      888

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<210> 242
<211> 1811
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (16)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1810)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1811)
<223> n equals a,t,g, or c

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<400> 242
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ccastgtccat tatcacaca gtgtctgtcc tggctcttga cttcaggccc tccctggaaat      180
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aagttccgga atacgcacct agccaagaaa ggatccgaga tctaagtggc aatctttggg      300
agcgttccag tggggatgga gaagaactag aaagacttac caaacccaag agtgatgagt      360
cagatgaaga tactttctaa ctgggaccca catagtttgc agctctcttg aaccttattt      420
tcacattttc agtgtttgta atatttatct ttccactttg ataaaccaaga aatgcttcta      480
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gccataccat agatttggga tgaatgtagc tgtgctaaat attttgcgta agaagcagtt 960
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aaatagaag accagtaata tataagtcac tttacagtgc tacttcacac ttaaaagtgc 1440
atggttattt tcatggtatt ttgcattgac ccagtaact ctcgtagata gagaagtcag 1500
gtgatagatg atattaaaaa ttacaaaaca aaagtgcatt gctcagggtc atgcagctgg 1560
gtgatgatag aagagtggttc ttttaactggc aggcctgtat gtttacagac taccatactg 1620
taaatatgag ctttatgtgt tcattctcag aaacttatac atttctgctc tcccttctcc 1680
taagtttcat gcagatgaat ataaggtaat atactattat ataactcatt tgtgatatcc 1740
acaataatat gactggcaag aattggtgga aatttgtaat taaaaaactt attaaacctt 1800
aaaaaaaaan n 1811

```

```

<210> 243
<211> 2271
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2267)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (2269)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (2271)
<223> n equals a,t,g, or c

```

```

<400> 243
ctgacccat ggcgtagagc ctagcaacag cgcaggcccc cagccgagtc cgttatggcc 60
gtgcgcgtcc cgaagaggat gagggggcca gcacaagcga aactgctgccc cgggtcggcc 120
atccaaagccc ttgtgggggtt gggcgccggc ctggctcttg cgcctcctgt tgtgtccgcc 180
gctctatcca gtgtgtgtat acggactgat tcaccgagcc caaccgtact caactcacat 240
attctatccc caaatgtgaa tgccttaaca catgaaaacc aaaccaaacc tcttatttcc 300
caaatcagca caaccctccc tcccacgacg agtaccaaaga aaagtggagg agcatctgtg 360
gtccctcatc cctgcctcac tctctgtctc caagagggaag ctgataacaa tgaagatccc 420
agtatagagg aggaggatct tctcatgctg aacagtcttc catccacag caaagacact 480
ctagacaaatg gcgattatgt agaaccagac tatgactgga ccacgggccc cagggacgac 540
gacgagatctg atngacacct tgggaagaaaa cagggggttac atgggaattg aacagtcagt 600
gaaatctttt aagatgccat cctcaaatat agaagaggaa gacagccatt tcttttttca 660
tctttatttt tttgtctttt gcattgctgt tttttacatt acatatcaca acaaaaggaa 720
gacttttctt ctggttccaa gcaggaatat gctgtatggc ctttgttcca aaacagtggg 780
ataccatcgc ctagatcaga atgttaatga ggcaatgccc tcttcgaaga ttaccaatga 840

```

```

ttatatTTTT taaagcactg tgatttgaat ttgcttatgt aatttttatt gcttgacttt 900
ttatatgata ttgtgcaaat gtttgcata ggcaattggg acttaaatga gaggtgagtc 960
tctcttttgc ctgtgtgctt tggaaattaa atgtcacaaa cgagtataata atttttttatc 1020
tgtactttcta gagctgagtt taatcaggctg tccaaaaatgt gagttaaaca ttaccttata 1080
tttaccactgt tagttttttat tgttttagat ttattatgct tcttctggaa gtattagtga 1140
tgctactttt aaaaagatccc aaacttgtaa ctaaattctg acatatctgt tactgctgac 1200
tcacattccat tctccgccat tcaaaacta tttttttatcc acattttttt ttgttcccaa 1260
actgtaaagt acaaggatat gtgtgataat gctttggatt tgagtaatat ttttttttct 1320
tccaagaaaa ctgcttttga tatttttaga taattttaa acataattagg ataattgat 1380
tgctcaactc gaccacaatt ttaggtaaaa cattaaatgt gtcaagaaaat ctggcaaca 1440
gagactctgc agcttgcagt ggacatagat aaaaattctac agagatacta tttttttggg 1500
tggaattact atattaaatt tagaagcaga aactgtgtaa atgttataata catgtacaat 1560
tgctttttagt tagcaattga ttgtagcatg ggctctctca aggtttccag caatgggcag 1620
agttttaaata tatatcagat tctgtttactt cgtttattat ttacagtaaa atttgaataa 1680
acctttaggg tcaattatcac ttaaaataata ctgtacctag gtctttccaa ttaaaattat 1740
acctgaatga agttgtttgt atacataaag gatattttgt tacaattacc tttttttccc 1800
cacacttgtt tctctttgtt ttgtttttta tggcactagg aaagtattta ctatgggatt 1860
catttatgtc tgtctttcta tcataaagaa ttgatcaata tgtaaaatgt tgatttgaac 1920
catgtttgac ttacaagtgt cactacagct ttttagaaaa catagcccta atatatgtta 1980
agcaggaccc ggggtgagcca gtgggcttgc gcttttatga gagctggaag aaggccgtcc 2040
atctctgtct tggggcgagc agtgtacttt cctaattagg aagggaagca caatggaaat 2100
acccttgaa cgtttttatt cagtaatttt ttctatatct gaaactarta ttttaacttt 2160
tgaataagat tttaaaaaat aaatggcaca gatataaact taaaaaaaaa aaaaaaaa 2220
aaaaaaaaa aaaaaaaa aaaaaaaa aaaaaaaa aaaaaaaa n 2271

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```

<210> 244
<211> 2500
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (2459)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (2473)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (2475)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (2478)
<223> n equals a,t,g, or c

```

```

<400> 244
tccaagctac gccactcggg ctggggcggtt gggagcggga gtgcagagcg tggctcgtggc 60
ggcgggcggtg agaagagcga ggcgkaggag ggggtgccat ggcgsggcag cagttccagt 120
acgatgcacg tgggaaacacc ttctttctact tcccacctc cttcgtgggg ctcatcgtga 180
tccggcgacg atactaccct tggcccccag accagaatgc cgagcaaat cgaattaaaga 240
atatacagaa agtatatgga aggtgtatgt ggtacgttta cggttattaa aacccagacc 300
aaatatattt cctacagtaa agaaaatagt tctgcttgca ggaatgggcat tgtttctatt 360

```


ccttgcatat aaagtttcca aaacagacgg agaataccaa gaatacaatc cttatgaagt 420
 attaaatttg gatcctggag ccacagtagc agaaattaaa aaacaatatc gtttgctgtc 480
 acctaaacat cactcagata aaggagggtga tgaggtttatg ttcatgagga tagcaaaaagc 540
 ttatgctgct ttaacggatg aagagtcctcg gaaaaattcg gaagaatttg gaaattccaga 600
 tgggcccctaa gccacaagct ttggaattgc cctgccagct tggatagttg accagaaaaaa 660
 ttcaattctg gttttacttg tatatggatt ggcattttatg gttatccttc cagttgttgt 720
 gggctctctg tgggtatcgt caatcacgta tagtgaggac cagattctaa tacgsacaac 780
 acagatttat acatactctg tttataaaac ccgaatatg gatatgaaac gtctttatcat 840
 ggttttggst ggagctctcg aattttgatcc tcagtataat aaagatgcca caagcagacc 900
 aacggataat attctaatac cacagctaatt cagagaaatt ggcagcatta atttaaagaa 960
 gaatgagcct ccacttacct gcccatatag cctgaaggcc agagctcttt tactgtctca 1020
 tctttgctaga atgaaaattc ctgagaccct tgaagaagat cagcaattca tgcataaaaa 1080
 gtgtcctgcc ctacttcaag aaatgggttaa tgtaactctg caactaatag taatggcccg 1140
 gaaccgtgaa gaaagggagt ttctgtctcc aactttggca tccctagaaa actgcatgaa 1200
 gctttctcag atggccgctt agggacttca gcaattttaa gctcccttc tgcagctccc 1260
 tcatattgaa gaggacaatc ttagacgggt ttctaactat aagaagtata aaattaaaac 1320
 tatccaggat ttggtgagtt taaaagaatc agatcgtcac actctactgc acttctctga 1380
 agatgaaaaa tatgaagagg ttatggctgt ccttgggagt ttcccatatg tgaccatgga 1440
 tataaaatca caggtgttag atgatgaaga tagcaacaac atcacagtag gatccttagt 1500
 tacagtgttg gtttaagtga caaggcaaac aatggctgaa gtatttgaaa aggagcagtc 1560
 catctgtgct gcagaggaaac agccagcaga agatggggcag ggtgaaacta acaagaacag 1620
 gacaaaaagga ggaatggcaac agaagagtaa aggacccaag aaaactgcta aatcaaaaaa 1680
 aaagaacccct taaaaaaaaa aacctacacc tgtgctatta ccacagtc aaagcaacagaa 1740
 acaaaaagcag gcaaatggag tctgtgggaa tgaagctgca gtaagggaag atgaagaaga 1800
 agtttcagat aggggcagtg attctgaaga agaagaaacc aatagagatt cccaaagtga 1860
 gaaagatgat ggtagtgcac gagactctga tagagagcaa gatgaaaaac aaacaagaaga 1920
 tgatgaagca gagtggcaag aattacaaca aagcatacag cgaaaaagaga gagctctatt 1980
 ggaacccaaa tcaaaaaata cacatcctgt gtaagcctt tactttctcg aggaaaaaca 2040
 agaattggtg tggccttaca ttgcagatag gaaggagcag acatttaaat ccatgcatata 2100
 tcatgtgtgt acgctgaag atacagagga ggtagagctg aagtttctg caccaggcaa 2160
 gcctggaaat tatcagtata ctgtgtctct gagatcagac tcttatatgt gtttggtaca 2220
 gattaaacca ttggaagttk ggaagttcat gaggctgaag cctgtgccag aaatacacc 2280
 acagtgggag acagcaatag agggggatga agaccaggag gacagtggag gctttgaaga 2340
 tagctttgag ggaggaagag ggagggagga aggaaggtgg tggacttaag ccagttactc 2400
 tggaaatggga ccacagtggt tttgcacat attttggcaa ttttttttgc ccgtttttng 2460
 gaagtgtttt cctnnaanc caggaacat tacagaaccg 2500

<210> 245
 <211> 1338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (867)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1338)
 <223> n equals a,t,g, or c

```

<400> 245
cttcgggttc tcggggcagc tggcactgct gttagcttctg ccacctgcca cgaccggggc 60
ctccctcggc gtttgggtcac ctctgcttca ttctccaccg cgccatgggt cctctctgga 120
gcacagcgtgg cgggcctggc ggctcccggg tgggtgagaga cgggtccggg aacgatgaa 180
gcctcgagct gctgctgctg tctcagccac ctcttggctt ccgtctctct cctgctgttg 240
ctgcctgaac taagcgggyc cctggmagtc ctgctgcagg cagccgaggg cgccgagg 300
ytctggccctc ctgaccctag accaggacat taccgcccgt gccaccgggg cctwaccctt 360
gcccagcagc cggggcggtgg tctgggtgaa gctgcggggg ccgcgggggt ccgagggagg 420
caatgcagcg aacctcttgg cggggttga gacggacgat cagcgagga aggccgggga 480
argctcggtg ggtggcgggc ttgctgtgag ccccaacct ggcgacactt ccgatgccca 540
gcgggccctg accgtgtgta tgggtgtgag cggcgcggtg ctggtgtact tctgtgtcag 600
gacggtcagg atgagaaaga gaaaccgaaa gactaggaga tatggagtgt tggacactaa 660
catagaaaat atggaattga cacctttaga acaggatgat gaggatgatg acaacacgtt 720
gtttgatgcc aatcatcttc gaagataaga atgtgccttt tgatgaaaaa acitttatctt 780
tctacaatga agagtggaaat ttctatgttt aaggaaataag aagccactat atcaatgttg 840
gggggggtatt taagtacat atatttnaac aacctttaat ttgctgttgc aataaatacc 900
gtatcctttt attatattct tatatgtata gaagtactct gtaattgggc tcagagatgtt 960
tggggataaaa gtatactgta ataatttctt tgtttgaaaa ttactataaa accgtgtttt 1020
ctgtctgggtt ttgttttctt gcttaccata tgattgtaaa ttgttttatg tattaatcag 1080
ttaatgctaa ttatttttgc tgatgtcata tgtttaaagag ctataaattc caacaaccaa 1140
ctggtgtgta caaataaattt aaaatyctct ttaactgaaa gtatctccca tttttgtggg 1200
gaaaaaagc aaaatttatt accttgggtt ggggtttttaa aaatgtctaa atattgtctaa 1260
gttatgtctt gcaaaaacat aaatatgatt ttaaatcttc ttaaaaaaaa aaaaaaaaac 1320
cccggggggg gggccggg

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```

<210> 246
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (651)
<223> n equals a,t,g, or c

```

```

<400> 246
gaatttcggca cgaggcagct tgtgctttaa aggaggtgtt caaagcatgt ctgagcagag 60
actttttgggc tctgttttaa ttaatacttt aaaaataattc atacttaaaa tatcaratgt 120
ttccataaag agggaggtgt ttaaatgcct ccagactaca ttcccttttta ttccttgatt 180
ttacctggga gtccaaagtt caattcccat aaagcaagcg ttttacttgt cactttcaat 240
atacatccga ttgccatgct taagatgcaa tatgggtctg ggaatataggt taacccacag 300
gctccacagg cccagtgtag aaggtgagag attcgtgtaa aatgatccaa acaaaaggaa 360
gacctgtggc ggggtccgta rotcaccgtt ctaatccag cactttggga ggcggaagcg 420
agtggatgac gaggttaga gttggagacc agcctggcca acatcgtgaa acccgtctct 480
tactaaaaat acaaaaatta cggcggcagt ctggcaggca cctgttaatcc tagctagttg 540
ggaggtctgag gcaggagaat cgtttgaatc tgggagttgg aggttgtcag tgagctgaga 600
tcggcgccaca gcaatccagc ctgggtgaca ggggtgagact ctgtctcaaa naga 654

```

```

<210> 247
<211> 1146
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (20)

```

<222> (1288)

<223> n equals a, t, g, or c

<400> 248

ataaactgaa	ataggtcatg	caaatataaa	atattatttt	taaattattt	gtcataagaa	60
acgatgggtg	ccatattttg	ctttaataat	ggaaaaaatg	tggttagcat	tctktggaag	120
gtgggtcatc	gatagtagac	attttctagg	atttatttct	acctgcata	gtggaaatgt	180
gtactacttt	agatttatwt	aatggcagct	aactcagagg	catcaaaatg	tgctaattggt	240
gtaaatatgg	ctttgtcttg	ctgttctgtt	tgtatgctt	tcaatcaagc	argggcaggg	300
ccgtacagtg	aacttgtctt	ttgscagacg	ccagcgtctg	ccctgacccc	cgtctccact	360
ctctgtgtcc	tgaggaggga	gccccctgat	gcytaccctg	attcaccctt	tgctgtccct	420
gtactgaact	gggaagagcc	gtgcaataac	ggatctgaaa	tccttgctta	caccattgat	480
ctaggagaca	ctagcattac	cgtggggcaac	accaccatgc	atgttatgaa	agatctcctt	540
ccagaaacca	cctaccgggtg	agtgcagggtg	agtagaaatc	tgcatcagca	catcagcact	600
gtgggatcta	agtaaacctc	tcgggggaaaa	tgaccaagtg	gatgtcatct	cccagctgtt	660
tctaagagcc	cagatgtcca	gagtatgttc	tcaccttgat	ccctcaggcc	agaagacctg	720
tgaaaaagcc	acactgggtc	agggactcac	tggaacgggt	tgtgtccact	ytacntgca	780
cgtctctac	cccagagtgg	actcaratcc	tcaagtcctc	ctctgaacat	tgrrgtcaga	840
aattataaaa	gggtctttggc	aatatgttag	cccaagaatt	tggtctcttc	cagaaattgt	900
gcgcacntta	acagtggcct	aatgatgtgt	aaaactttta	agatttctaa	aaagrtggca	960
ttggagatac	gttgactttt	attaaacmac	ctatagtgtt	ttaatgaytt	ctaaaaaaat	1020
actctggagct	caggggttca	actgagggaa	cacatgttga	gratcatgtt	ttactaatta	1080
aatgccaggt	aaccggttga	aattatcaaa	aacatcttcc	acgtaccaga	agcaccctca	1140
gaggatagtt	ctgttatgga	gaagatgaaa	tggttttagta	gtgtaggaaac	tatgaaagg	1200
tgagctttaga	tttgatagtt	aaaacctcaa	gacctattt	aaaaagttat	ttatgaaatg	1260
agcataaata	atttaattca	gtgttaanat	gccaaagcta	gtatatgttg	ctgaatgtga	1320
aaagaaactc	acattgggtg	aatgccacct	tttctctata	agatagcttt	gaagatacca	1380
ttttagacag	atggaaattg	aatagcttta	gaaaaggcaa	atgtttgatc	ttggggaaaa	1440
aaa						1443

<210> 249

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 249

Met Leu Ser Thr Gly Ile Glu Val Ala Arg Pro Pro Ala Thr Leu Leu
 1 5 10 15

Gly Leu Met Phe Val Leu Thr Gly Met Pro Arg Gly Leu Arg Xaa
 20 25 30

<210> 250

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals stop translation

<400> 250
 Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly
 1 5 10 15
 Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys
 20 25 30
 Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly
 35 40 45
 Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp
 50 55 60
 Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala
 65 70 75 80
 Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys
 85 90 95
 Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His
 100 105 110
 Tyr Phe Cys Xaa
 115

<210> 251
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 251
 Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr
 1 5 10 15
 Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser
 20 25 30
 Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys
 35 40 45
 Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala
 50 55 60

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
65 70 75 80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
85 90 95

His Ser Ser Asn Ile Cys Xaa
100

<210> 252

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252

Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
1 5 10 15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
20 25 30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
35 40

<210> 253

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 253

Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
20 25 30

Trp Ser Gln Trp Xaa
35

<210> 254

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 254

Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu
65 70 75 80

Glu Val Glu Arg Val Arg Arg Ser Glu Arg Tyr Gln Thr Met Lys Val
85 90 95

Arg Arg Ala Gly Leu Gly Pro Thr Pro Gly Met Ser Cys Pro Gly Asn
100 105 110

Asp Asn Thr Val His Thr Met His Gly Glu Ala Asn Arg Gly Ser Xaa
115 120 125

<210> 255
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 255
 Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
 1 5 10 15
 Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
 20 25 30
 Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
 35 40 45
 Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
 50 55 60
 Ser Thr Xaa
 65

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 256
 Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
 1 5 10 15
 Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
 20 25 30
 Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
 35 40 45
 Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
 50 55 60
 His Ala Phe Ala Xaa
 65


```
<210> 257
<211> 44
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals stop translation
```

```
<400> 257
Met Val Ser Val Val Leu Ile Phe Ser Phe Leu Ser Leu Thr Ile Ser
  1                      5                      10                      15
Thr Thr Ala Ser Ala Tyr Asn Gly Asn Asp Thr Gln Gly Trp Asn Asp
  20                      25                      30
Lys Phe His Xaa Xaa Ser Val Lys Thr Gln Thr Xaa
  35                      40
```

```
<210> 258
<211> 51
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals stop translation
```

```

<400> 258
Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1             5             10             15
Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro
          20             25             30
Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg
          35             40             45
Gly Arg Xaa
    50

```

<210> 259

```
<211> 43
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (43)
<223> Xaa equals stop translation
```

```
<400> 259
Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
  1             5             10             15
```

Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
20 25 30

Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
35 40

```
<210> 260
<211> 61
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (61)
<223> Xaa equals stop translation
```

<400> 260
Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
1 5 10 15

Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
20 25 30

Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
35 40 45

Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
50 35 60

```
<210> 261
<211> 36
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> {36}  
<223> Xaa equals stop translation
```

<400> 261
Met Ser His His Ala Gln Pro Arg Phe Leu Leu Ile Thr Met Leu Leu
1 5 10 15

Gln Glu Ala Lys Pro Val Ser Asn Ile Pro His Leu Leu Glu Ser Trp
20 25 30

Tyr Phe Gly Xaa
35

```
<210> 262
<211> 38
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals stop translation
```

<400> 262
Met Asn Ser Leu Phe Trp Met Ile Leu Leu Pro Val Ser Gln Asp Gln
1 5 10 15

Val Val Glu Gly Leu Gln Gly Gly Phe Ser Gln Ile His Met Arg Ile
20 25 30

Leu Arg Lys His Leu Xaa
35

```
<210> 263
<211> 211
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>  
<221> SITE  
<222> (211)  
<223> Xaa equals stop translation
```

```
<400> 263
Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala
  1             5             10             15
```

Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala
20 25 30

Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile
35 40 45

Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg
50 55 60

Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
65 70 75 80

Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
85 90 95

Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu
100 105 110

Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
115 120 125

Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
130 135 140

Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
145 150 155 160

Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
165 170 175

His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
180 185 190

Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
195 200 205

Gly Pro Xaa
210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
1 5 10 15

Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu
20 25 30

Ile Gln Glu Lys Ala Ile Pro Leu Ala Leu Glu Gly Lys Asp Leu Leu
35 40 45

Ala Arg Ala Arg Thr Gly Ser Gly Lys Thr Ala Ala Tyr Ala Ile Pro
50 55 60

Met Leu Gln Leu Leu Leu His Arg Lys Ala Thr Gly Pro Val Val Glu
65 70 75 80

Gln Ala Val Arg Gly Leu Val Leu Val Pro Thr Lys Glu Leu Ala Arg
85 90 95

Gln Ala Gln Ser Met Ile Gln Gln Leu Ala Thr Tyr Cys Ala Arg Asp
 100 105 110
 Val Arg Val Ala Asn Val Ser Ala Ala Glu Asp Ser Val Ser Gln Arg
 115 120 125
 Ala Val Leu Met Glu Lys Pro Asp Val Val Val Gly Thr Pro Ser Arg
 130 135 140
 Ile Leu Ser His Leu Gln Gln Asp Ser Leu Lys Leu Arg Asp Ser Leu
 145 150 155 160
 Glu Leu Leu Val Val Asp Glu Ala Asp Leu Leu Phe Ser Phe Gly Phe
 165 170 175
 Glu Glu Glu Leu Lys Ser Leu Leu Cys His Leu Pro Arg Ile Tyr Gln
 180 185 190
 Ala Phe Leu Met Ser Ala Thr Phe Asn Glu Asp Val Gln Ala Leu Lys
 195 200 205
 Glu Leu Ile Leu His Asn Pro Val Thr Leu Lys Leu Gln Glu Ser Gln
 210 215 220
 Leu Pro Gly Pro Asp Gln Leu Gln Gln Phe Gln Val Val Cys Glu Thr
 225 230 235 240
 Glu Glu Asp Lys Phe Leu Leu Leu Tyr Ala Leu Leu Lys Leu Ser Leu
 245 250 255
 Ile Arg Gly Lys Ser Leu Leu Phe Val Asn Thr Leu Glu Arg Ser Tyr
 260 265 270
 Arg Leu Arg Leu Phe Leu Glu Gln Phe Ser Ile Pro Thr Cys Val Leu
 275 280 285
 Asn Gly Glu Leu Pro Leu Arg Ser Arg Cys His Ile Ile Ser Gln Phe
 290 295 300
 Asn Gln Gly Phe Tyr Asp Cys Val Ile Ala Thr Asp Ala Glu Val Leu
 305 310 315 320
 Gly Ala Pro Val Lys Gly Lys Arg Arg Gly Arg Gly Pro Lys Gly Asp
 325 330 335
 Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
 340 345 350
 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Hu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr

405 410 415

Gln Phe Arg Met Glu Glu Ile Glu Gly Phe Arg Tyr Arg Cys Arg Asp
420 425 430

Ala Met Arg Ser Val Thr Lys Gln Ala Ile Arg Glu Ala Arg Leu Lys
435 440 445

Glu Ile Lys Glu Glu Leu Leu His Ser Glu Lys Leu Lys Thr Tyr Phe
450 455 460

Glu Asp Asn Pro Arg Asp Leu Gln Leu Leu Arg His Asp Leu Pro Leu
465 470 475 480

His Pro Ala Val Val Lys Pro His Leu Gly His Val Pro Asp Tyr Leu
485 490 495

Val Pro Pro Ala Leu Arg Gly Leu Val Arg Pro His Lys Lys Arg Lys
500 505 510

Lys Leu Ser Ser Ser Cys Arg Lys Ala Lys Arg Ala Lys Ser Gln Asn
515 520 525

Pro Leu Arg Ser Phe Lys His Lys Gly Lys Lys Phe Arg Pro Thr Ala
530 535 540

Lys Pro Ser Xaa
545

<210> 265
<211> 299
<212> PRT
<213> Homo sapiens

<400> 265
Met Thr Thr Val Pro Pro Ser Pro Arg Pro Met Ser Arg Pro Ser Glu
1 5 10 15

Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro
20 25 30

Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe
35 40 45

Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ser Ala Glu Ser
50 55 60

Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr
65 70 75 80

His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
85 90 95

Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
100 105 110

Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro

115	120	125
Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala		
130	135	140
Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu		
145	150	155
Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala		
165	170	175
Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn		
180	185	190
Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile		
195	200	205
Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser		
210	215	220
His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys		
225	230	235
Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg		
245	250	255
Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala		
260	265	270
Glu Ser Val Gly Arg Ala Phe Gln Gln Phe Tyr Lys Gln Phe Val Glu		
275	280	285
Tyr Thr Cys Pro Thr Glu Asp Ile Tyr Leu Glu		
290	295	

<210> 266

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 266

Leu Leu Tyr Leu Leu Lys Val Xaa Val Ile Phe Val Phe Ser Ser Ser
1 5 10 15

Lys Gly Val Thr Leu Val Ser Met Asn Leu Thr Ser Phe Phe Val Ser
20 25 30

Ser Val Leu Ala Cys Phe Ser Xaa
35 40

<210> 267

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Met Pro Ala Ser Ser Leu Glu Ser Arg Ser Phe Leu Leu Ala Lys Lys
1 5 10 15

Ser Gly Glu Asn Val Ala Lys Phe Ile Ile Asn Ser Tyr Pro Lys Tyr
20 25 30

Phe Gln Lys Asp Ile Ala Glu Pro His Ile Pro Cys Leu Met Pro Glu
35 40 45

Tyr Phe Glu Pro Gln Ile Lys Asp Ile Ser Glu Ala Ala Leu Lys Glu
50 55 60

Arg Ile Glu Leu Arg Lys Val Lys Ala Ser Val Asp Met Phe Asp Gln
65 70 75 80

Leu Leu Gln Ala Gly Thr Thr Val Ser Leu Glu Thr Thr Asn Ser Leu
85 90 95

Leu Asp Xaa Leu Cys Tyr Tyr Gly Asp Gln Glu Pro Ser Thr Asp Tyr
100 105 110

His Phe Gln Gln Thr Gly Gln Ser Glu Ala Leu Glu Glu Glu Asn Asp
115 120 125

Glu Thr Ser Arg Arg Lys Ala Gly His Gln Phe Gly Val Thr Trp Arg
130 135 140

Ala Lys Asn Asn Ala Glu Arg Ile Phe Ser Leu Met Pro Glu Lys Asn
145 150 155 160

Glu His Ser Tyr Cys Thr Met Ile Arg Gly Met Val Lys His Arg Ala
165 170 175

Tyr Glu Gln Ala Leu Asn Leu Tyr Thr Glu Leu Leu Asn Asn Arg Leu
180 185 190

His Ala Asp Val Tyr Thr Phe Asn Ala Leu Ile Glu Ala Thr Val Cys
195 200 205

Ala Ile Asn Glu Lys Phe Glu Glu Lys Trp Ser Lys Ile Leu Glu Leu
210 215 220

Leu Arg His Met Val Ala Gln Lys Val Lys Pro Asn Leu Gln Thr Phe

225		230		235		240
Asn Thr Ile Leu Lys Cys Leu Arg Arg Phe His Val Phe Ala Arg Ser						
	245			250		255
Pro Ala Leu Gln Val Leu Arg Glu Met Lys Ala Ile Gly Ile Glu Pro						
	260			265		270
Ser Leu Ala Thr Tyr His His Ile Ile Arg Leu Phe Asp Gln Pro Gly						
	275			280		285
Asp Pro Leu Lys Arg Ser Ser Phe Ile Ile Tyr Asp Ile Met Asn Glu						
	290			295		300
Leu Met Gly Lys Arg Phe Ser Pro Lys Asp Pro Asp Asp Asp Lys Phe						
	305			310		315
Phe Gln Ser Ala Met Ser Ile Cys Ser Ser Leu Arg Asp Leu Glu Leu						
	325			330		335
Ala Tyr Gln Val His Gly Leu Leu Lys Thr Gly Asp Asn Trp Lys Phe						
	340			345		350
Ile Gly Pro Asp Gln His Arg Asn Phe Tyr Tyr Ser Lys Phe Phe Asp						
	355			360		365
Leu Ile Cys Leu Met Glu Gln Ile Asp Val Thr Leu Lys Trp Tyr Glu						
	370			375		380
Asp Leu Ile Pro Ser Ala Tyr Phe Pro His Ser Gln Thr Met Ile His						
	385			390		395
Leu Leu Gln Ala Leu Asp Val Ala Asn Arg Leu Glu Val Ile Pro Lys						
	405			410		415
Ile Trp Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu						
	420			425		430
Arg Glu Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu						
	435			440		445
Leu Gln Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr						
	450			455		460
Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser						
	465			470		475
Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu						
	485			490		495
Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg						
	500			505		510
Ser Glu Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser						
	515			520		525
Pro Ser Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu						
	530			535		540

Pro Ile Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile
545 550 555 560

Asn Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser
565 570 575

Asp Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu
580 585 590

Gly Lys

<210> 268

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 268

Met Lys Leu Asn Leu Cys Ile Pro Asn Trp Ala Arg Cys Pro Leu Leu
1 5 10 15

Leu Leu Phe Pro Gln Leu Leu Pro Phe Gln Gly Glu Asp Asp Asp Pro
20 25 30

Leu Lys Ala Lys Ala Ala Asn Leu Val Glu Ala Val Pro Trp Gly Ile
35 40 45

Lys Ala Pro Ser Phe Gln Val Thr Cys Leu Val Arg Val Gln Leu Gln
50 55 60

Ser Cys Thr Pro Ser Arg Pro Ser Thr Leu Leu Ala Thr Ser Gln Ser
65 70 75 80

Pro Gly Arg Ile Ser Cys Tyr Ser Pro Leu Ser His Leu Pro Pro Val
85 90 95

Thr Thr Ser Ile Gln Pro Ser Pro Val Met Val Pro Phe Gln Tyr Gln
100 105 110

Ala Phe Leu Leu Gln Val Lys Glu Pro Ala Ala Gln Thr Leu Leu Gly
115 120 125

Gln Gln Xaa
130

<210> 269

<211> 21

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

 <400> 269
 Met Arg Tyr His Ala Gln Leu Ile Phe Cys Ile Phe Cys Xaa Phe Val
 1 5 10 15

 Phe Val Xaa Lys Xaa
 20

 <210> 270
 <211> 159
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 270
 Met Thr Gly Thr Tyr Ser Gly Gln Phe Val Met Glu Gly Phe Leu Asn
 1 5 10 15

 Leu Lys Trp Ser Arg Phe Ala Arg Val Val Leu Thr Arg Ser Ile Ala
 20 25 30

 Ile Ile Pro Thr Leu Leu Val Ala Val Phe Gln Asp Val Glu His Leu
 35 40 45

100483-120704

Thr Gly Met Asn Asp Phe Leu Asn Val Leu Gln Ser Leu Gln Leu Pro
50 55 60

Phe Ala Leu Ile Pro Ile Leu Thr Phe Thr Ser Leu Arg Pro Val Met
65 70 75 80

Ser Asp Phe Ala Asn Gly Leu Gly Trp Arg Ile Ala Gly Gly Ile Trp
85 90 95

Ser Tyr His Leu Phe His His Met Tyr Phe Val Val Xaa Tyr Val Arg
100 105 110

Asp Leu Arg His Val Xaa Leu Tyr Val Xaa Ala Ala Val Val Xaa Arg
115 120 125

Gly Leu Ser Gly Leu Cys Val Leu Leu Gly Leu Ala Met Phe Asp Cys
130 135 140

Thr Gly His Val Leu Pro Gly Leu Trp Ala Tyr Gly Lys His Leu
145 150 155

<210> 271

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 271

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Ser Thr Glu Glu Val Lys
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
35 40 45

Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly
50 55 60

Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp
65 70 75 80

Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met
85 90 95

Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser
100 105 110

Phe Ala Tyr Gly Lys Glu Gly Tyr Ala Glu Gly Lys Ile Pro Pro Asp
115 120 125

Ala Thr Leu Ile Phe Glu Ile Glu Leu Tyr Ala Val Thr Lys Gly Pro

130 135 140

Arg Ser Ile Glu Thr Phe Lys Gln Ile Asp Met Asp Asn Asp Arg Gln
145 150 155 160

Leu Ser Lys Ala Glu Ile Asn Leu Tyr Leu Gln Arg Glu Phe Glu Lys
165 170 175

Asp Glu Lys Pro Arg Asp Lys Ser Tyr Gln Asp Ala Val Leu Glu Asp
180 185 190

Ile Phe Lys Lys Asn Asp His Asp Gly Asp Gly Phe Ile Ser Pro Lys
195 200 205

Glu Tyr Asn Val Tyr Gln His Asp Glu Leu Xaa
210 215

<210> 272
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals stop translation

<400> 272

Met Trp Val Ile Arg Val Phe Gln Lys Thr Phe Leu Phe Phe Val Leu
1 5 10 15

Phe Trp Ser Val His Cys Ile Ser Asp Lys Phe Gly Cys Leu Trp His
20 25 30

Val Cys Met Lys Arg Glu Gly Asp Xaa Asn Cys Leu Ser Phe Ser Xaa
35 40 45

Leu Xaa
50

<210> 273
<211> 122
<212> PRT
<213> Homo sapiens

<220>

10> 274
- Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro
 5 10 15

Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp
20 25 30

Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala
35 40 45

Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr
50 55 60

Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu
65 70 75 80

Gly Ala Asn Gly Ala Gln Pro Xaa
85

<210> 275

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 275

Met Ile Gln Val Ser Val Pro Leu Leu Thr Ile Met Ile Phe Leu Leu
1 5 10 15

Tyr Leu Gln Ile Gly Pro Gly Lys Leu Xaa
20 25

<210> 276

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals stop translation

<400> 276

Met Leu Leu Asp Pro Phe Ile Leu Leu Phe Cys Leu Phe Ser Thr Ala
1 5 10 15

Ala Gln Ser Cys Leu Glu Phe Ile Tyr Ile Gln Phe Xaa
20 25

<210> 277

<211> 44

<212> PRT

<213> Homo sapiens

100450-10001

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 277
 Met Lys Phe Leu Ser Ile Leu Leu Asp Asp Asn Asn Phe Xaa Leu Met
 1 5 10 15

Leu Met Leu Ala Pro Phe Gly Cys Leu Ala Phe Glu Arg Ser Met Lys
 20 25 30

Met Arg Asn Gly Ala Leu Gly Leu Glu Val Xaa
 35 40

<210> 278
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (363)
 <223> Xaa equals stop translation

<400> 278
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15

Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30

Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45

Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60

Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80

Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95

Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
 115 120 125
 Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
 130 135 140
 His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
 145 150 155 160
 Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
 165 170 175
 Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
 180 185 190
 Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Thr Asp Gln Leu Gly
 195 200 205
 Met Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly
 210 215 220
 Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro
 225 230 235 240
 Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro
 245 250 255
 Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly
 260 265 270
 Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala
 275 280 285
 Arg Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp
 290 295 300
 Ser Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly
 305 310 315 320
 Arg His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu
 325 330 335
 Glu Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Gly
 340 345 350
 Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu Xaa
 355 360

<210> 279

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 279

Leu Pro Thr Lys Ile Leu Val Lys Pro Asp Arg Thr Phe Glu Ile Lys
 1 5 10 15

Ile Gly Gln Pro Thr Val Ser Tyr Phe Leu Lys Ala Ala Ala Gly Ile
 20 25 30

Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu Val Ala Gly Leu Val Thr
 35 40 45

Leu Lys His Val Tyr Glu Ile Ala Arg Ile Lys Ala Gln Asp Glu Ala
 50 55 60

Phe Ala Leu Gln Asp Val Pro Leu Ser Ser Val Val Arg Ser Ile Ile
 65 70 75 80

Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val Lys Asp Leu Ser Ser
 85 90 95

Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala Ile Phe Leu Ala Ala
 100 105 110

Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu Ala Ala Lys Lys Xaa
 115 120 125

<210> 280

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 280

Met Leu Leu Gln Ile His Pro Leu Leu Pro Ser Pro Thr Ile Pro His
 1 5 10 15

Ile Leu Leu Leu Phe Leu Tyr Pro Thr Phe Ser Ile Leu Glu His Ser
 20 25 30

Cys Ser Tyr Cys Ile Glu Tyr Leu Trp Val Cys Leu Leu Phe Cys Leu
 35 40 45

Ser Leu Trp Phe Leu Xaa
 50

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

<400> 281
 Met Cys Leu Trp Cys Cys Gly Asp Val Cys Ser Gly Leu Ser Ser Leu
 1 5 10 15

Leu Ser Leu Cys Val Cys Cys Val Val Leu Ala Val Cys
 20 25

<210> 282
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 282
 Glu Gly Leu Arg Leu Leu Leu Ser Leu Pro Ala Ala Leu Pro Arg Ser
 1 5 10 15

Cys Cys His Pro Arg Trp Leu Pro Val Xaa
 20 25

<210> 283
 <211> 221
 <212> PRT
 <213> Homo sapiens

<400> 283
 Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn
 1 5 10 15

Lys Pro Glu Leu Tyr Glu Glu Val Lys Leu Tyr Lys Asn Ala Arg Glu
 20 25 30

Arg Glu Lys Tyr Asp Asn Met Ala Glu Leu Phe Ala Val Val Lys Thr
 35 40 45

Met Gln Ala Leu Glu Lys Ala Tyr Ile Lys Asp Cys Val Ser Pro Ser
 50 55 60

Glu Tyr Thr Ala Ala Cys Ser Arg Leu Leu Val Gln Tyr Lys Ala Ala
 65 70 75 80

Phe Arg Gln Val Gln Gly Ser Glu Ile Ser Ser Ile Asp Glu Phe Cys
 85 90 95

Arg Lys Phe Arg Leu Asp Cys Pro Leu Ala Met Glu Arg Ile Lys Glu
 100 105 110

Asp Arg Pro Ile Thr Ile Lys Asp Asp Lys Gly Asn Leu Asn Arg Cys
 115 120 125

Ile Ala Asp Val Val Ser Leu Phe Ile Thr Val Met Asp Lys Leu Arg

130 135 140

Leu Glu Ile Arg Ala Met Asp Glu Ile Gln Pro Asp Leu Arg Glu Leu
145 150 155 160

Met Glu Thr Met His Arg Met Ser His Leu Pro Pro Asp Phe Glu Gly
165 170 175

Arg Gln Thr Val Ser Gln Trp Leu Gln Thr Leu Ser Gly Met Ser Ala
180 185 190

Ser Asp Glu Leu Asp Asp Ser Gln Val Arg Gln Met Leu Phe Asp Leu
195 200 205

Glu Ser Ala Tyr Asn Ala Phe Asn Arg Phe Leu His Ala
210 215 220

<210> 284
<211> 40
<212> PRT
<213> Homo sapiens

<400> 284
Met Gly Asn Ser Gln Val Pro Gln Ser Ser Asp Phe Ser Ser Ile Leu
1 5 10 15

Leu Thr Thr Ser Leu Gly Thr Tyr Ser Leu Leu Leu Gly Thr Ala Gly
20 25 30

Ala Arg Thr Gly Ser Pro Met Ser
35 40

<210> 285
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals stop translation

<400> 285
Met Gln Ala Pro Phe Xaa His Phe Ser Phe Arg Met Phe Ser Asn Leu
1 5 10 15

Tyr Cys Phe Ser Asp Phe Gln Pro Asn Ile Ser Pro Cys Pro Leu Cys
 20 25 30

His Cys Ile Leu Pro Xaa His His His Val Phe Leu Leu Ala Val
 35 40 45

Xaa

<210> 286

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 286

Met Lys Leu Val Thr Met Phe Asp Lys Leu Ser Arg Asn Arg Val Ile
 1 5 10 15

Gln Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp
 20 25 30

Ala Met Cys Glu Thr Met Glu Gln Leu Ser Ser Asp Pro Asp Ser
 35 40 45

Asp Pro Asp Xaa
 50

<210> 287

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 287

Met Ala Val Gly Glu Ala Val Phe Val Pro Leu Gln His Pro Pro Leu
 1 5 10 15

Leu His Gly Ser Pro Ile Pro Lys Leu Leu Pro Gly Pro Leu Leu Xaa
 20 25 30

<210> 288

<211> 57

<212> PRT

Met Phe Asn Phe Phe Lys Asn Pro Leu Leu Thr Cys Leu Phe Ile Ser
1 5 10 15

Cys Tyr Leu Tyr Leu Ser Leu Leu Val Asn Lys Val Leu Phe Ala Glu
 20 25 30

Glu Gly Leu Cys Cys Thr Tyr Cys Thr Thr Ser Asn Thr Gly Glu Gly
 35 40 45

Gly Val Xaa
 50

<210> 291
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 291
 Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu Asp Gly
 1 5 10 15

Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro
 20 25 30

Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser
 35 40 45

Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser Leu Ser
 50 55 60

Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu Glu Cys
 65 70 75 80

Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys Arg Cys
 85 90 95

Asp Arg

<210> 292
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals stop translation

<400> 292
 Met Leu Cys Thr Ile Leu Thr Val Val Ile Ile Ala Ala Gln Thr
 1 5 10 15

Thr Arg Thr Thr Gly Ile Pro Lys Asn Ala Pro Gly Pro Ala Pro Leu

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp Leu
 180 185 190

Glu Ile Leu Lys Phe Leu Trp Leu Pro His Leu Pro Ser Leu Lys Asp
 195 200 205

Pro Ser Leu Ser Ser Thr Arg Ile Gln Pro Leu Thr Thr Phe Phe Cys
 210 215 220

Pro Leu Leu Pro Xaa Lys Gln Xaa Lys Gln Xaa Xaa Xaa Ser Leu Trp
 225 230 235 240

Leu Leu Ser His Leu Phe Ala Trp Glu Pro Val Pro Asn Thr Gln Val
 245 250 255

Xaa

<210> 294

<211> 103

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals stop translation

<400> 294
Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Ala Val
 1             5             10             15

Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly
                20             25             30

Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser
 35             40             45

Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val
 50             55             60

Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Xaa Pro Xaa
 65             70             75             80

Xaa Xaa Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gin Asp
                85             90             95

Ile Glu Glu Glu Lys Gly Xaa
                100

<210> 295
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals stop translation

<400> 295

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Met Pro Val Thr Leu Ser Ser Leu Gly Phe Trp Val Leu Leu Ser Leu
 1 5 10 15
 Leu Phe Pro Trp Arg Thr Asp Gln Gly Cys Gly Pro Ala Thr Cys Tyr
 20 25 30

Xaa

<210> 296
 <211> 43
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation
 <400> 296
 Met Val Leu Gly Leu Leu Leu Leu Leu Xaa Phe Phe Ser Phe Ser Ser
 1 5 10 15
 Ser Pro Ser Pro Ser Ser Ser Leu Leu Leu Ser Ser Phe Phe Phe
 20 25 30
 Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Xaa
 35 40

<210> 297
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 297
 Glu Trp Leu Val Phe Thr Phe Leu Leu Val Phe Gly Ser Pro Leu Gly
 1 5 10 15
 Lys Gly Pro Leu Xaa
 20

<210> 298
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 298
 Met Ile Arg Ala Leu Ser Leu Phe Leu Leu Ile Phe Asp Ala Ala Leu
 1 5 10 15
 Phe Ser Leu Ser Val Phe Val Phe Ile Gly His Leu Leu Pro Met Pro
 20 25 30
 Lys Gly Thr Gly Leu His Ser Cys Ala Lys His Leu Ile Lys Ser Leu
 35 40 45
 Lys Glu Asn Val Leu Pro Leu Met Asn Tyr Pro Asp Cys Lys Leu Lys
 50 55 60
 Ile Asn Ile Ser Pro Xaa
 65 70

<210> 299
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 299
 Met Gly Lys Leu Ile Arg Leu Ser Val Met Val Met Ser Val Arg Arg
 1 5 10 15
 Leu Phe Ser Ile Tyr Trp Val Leu Ser Thr Val Pro Asp Ala Val Gly
 20 25 30
 Ser Arg Gly Gly Met Glu Glu Glu Cys Ser Arg Gly Leu Cys Cys Val
 35 40 45
 Ala Gly Gln His Lys Gln Ala Lys Gly Lys Arg Gln Ala Trp Asn Lys
 50 55 60
 Gly Gly Glu Tyr Gln Cys Val Thr Tyr Cys Xaa
 65 70 75

<210> 300
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)

<223> Xaa equals stop translation

<400> 300

Met Pro Ala Leu Val Thr Leu Leu Leu Leu Phe Pro Leu Leu Pro Leu
1 5 10 15

Met Glu Ala Ser Cys His Val Met Arg Cys Pro Met Glu Arg Pro Thr
20 25 30

Xaa

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 301

Glu Ala Pro Trp Gly Leu Leu Lys Leu Leu Leu Leu Ala Val Phe
1 5 10 15

Xaa

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 302

Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu Glu Pro Lys
1 5 10 15

Xaa

<210> 303

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 303

Met Gln Ser Pro Lys Phe Leu Ser Xaa Thr Pro Tyr Leu Phe Gln Thr
 1 5 10 15

Pro Phe His Leu Ile Ser Leu Pro Cys His Phe Phe Ile Phe Lys Met
 20 25 30

Pro Ile Val Tyr Val Leu Phe Lys Phe Phe Glu Arg Leu Lys Gln Pro
 35 40 45

Leu Ser Lys Ile Pro Phe Cys Leu Leu Ala Phe Lys Phe Ser Ile Arg
 50 55 60

Ala Phe Phe Leu Pro Leu Trp His Ala Ala Leu Trp Leu Ser Phe Val
 65 70 75 80

Phe Phe Ala Gly Phe Leu His Asp Val Val Val Val Ser Cys Leu Thr
 85 90 95

Leu Cys Gly Val Val Ser Cys Ser Phe Ser Ser Pro Arg Cys Leu
 100 105 110

<210> 304

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals stop translation

<400> 304

Met Ala Leu Leu Ile Ser Ser Leu Ile Trp Ser Xaa
 1 5 10

<210> 305

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 305

Met Gln Met Phe Thr Val Ser Leu Leu Leu Ser Leu Leu Arg Ser
 1 5 10 15

Thr Asp Gln Asn His Leu Gln Leu Leu Val Gly Arg Glu Asp His Tyr
 20 25 30

Gly Gly Xaa
 35

<210> 306
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 306
 Met Ser Glu Ser Ala Cys Ile Leu Asn Asn Gln Lys Glu Leu Xaa
 1 5 10 15

<210> 307
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 307
 Met Asp Leu Asp Arg Val Lys Ala Glu Ala Thr Glu Asp Ile Thr Ser
 1 5 10 15

Gly Val Leu Cys Leu Leu Phe Leu Arg Leu Pro Pro Asn Ser Cys Ile
 20 25 30

Phe Pro Ser Ala Val Leu Gly Ser Thr Arg Thr Xaa
 35 40

<210> 308
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 308
 Met Met Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu
 1 5 10 15

Ser Leu Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala
 20 25 30

Ser Thr Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu
 35 40 45

Phe Val Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe
 50 55 60

Gly Lys Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu
 65 70 75 80

Leu Leu Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr
85 90 95

Thr Cys Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile
100 105 110

Ser Ser Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys
115 120 125

Val Thr Gly Lys Ser Lys Lys Arg Asn
130 135

<210> 309

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 309

Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu
1 5 10 15

Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu
20 25 30

Arg Xaa

<210> 310

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals stop translation

<400> 310

Met Arg Thr Pro Gly Pro Leu Pro Val Leu Leu Leu Leu Ala Gly
1 5 10 15

Ala Pro Ala Ala Arg Pro Thr Pro Pro Thr Cys Tyr Ser Arg Met Arg
20 25 30

Ala Leu Ser Gln Glu Ile Thr Arg Asp Phe Asn Leu Leu Gln Val Ser
35 40 45

Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg Leu Tyr Leu Asp
50 55 60

Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg Asp Phe Val Ala Ser
65 70 75 80

Pro Pro Cys Trp Lys Val Ala Gln Val Asp Ser Leu Lys Asp Lys Ala
85 90 95

Arg Lys Leu Tyr Thr Ile Met Asn Ser Phe Cys Arg Arg Asp Leu Val
100 105 110

Phe Leu Leu Asp Asp Cys Asn Ala Leu Glu Tyr Pro Ile Pro Val Thr
115 120 125

Thr Val Leu Pro Asp Arg Gln Arg Xaa
130 135

<210> 311

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 311

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Xaa Leu Val
1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln
20 25 30

Ile Leu Val Asn Xaa Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp
35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe Xaa
50 55

<210> 312

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 312

Met Ser Arg Arg Ala Glu Ala Ser Ile Phe Val Leu Pro Lys Thr Leu
1 5 10 15

Leu Phe Val Leu Phe Pro Ala Phe Pro Ser Pro Ala Val Gly Cys Pro
20 25 30

Val Pro Xaa
35

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313

Met Ala Leu Glu Met Val Trp Gly Ser Val Tyr His Cys Ser Cys Tyr
1 5 10 15

Ile Thr Pro Trp Ser Lys Ile Gln Ser Phe Ser Leu Ser Leu Phe Gln
20 25 30

Phe Ile Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp
35 40 45

Tyr Glu Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu Asn Gly Gln
50 55 60

Phe Leu Met Met His Arg Val Asn Thr Ser Lys Leu Glu Lys Gln Leu
65 70 75 80

Leu Lys Leu Glu Gln Gln Ser Thr Gly Xaa
85 90

<210> 314

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 314

Met Phe Val Leu Phe Ser Leu Pro Lys Tyr Ala Gly Leu Arg Leu Pro
1 5 10 15

Ile Pro Gly Leu Ser Ala Leu Leu Val Phe Leu Leu Ser Leu Phe Ser

	20		25		30
Arg Arg Ala Gln Val Glu Leu Thr Thr Gly Arg Glu Thr Leu Pro Lys					
	35		40		45
Asn Leu Gln Gly Tyr Phe Pro Glu Phe Gly Phe Gln Val Gln Asn Phe					
	50		55		60
Leu Ser Cys Lys Ile Tyr Ala Ala Ser Gln Lys Gln Pro Leu Pro Pro					
	65		70		75
					80
Leu Tyr Gln Leu Arg Phe Tyr Leu Lys His Met Gly Leu Pro Xaa					
	85		90		95

<210> 315

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals stop translation

<400> 315

Met Ser Ser His Trp Thr Leu Lys Ile Leu Leu Val Pro Leu Phe Tyr
1 5 10 15

Leu Ser Leu Glu Phe Pro Ser Gly Phe Val Leu Cys Leu Ala Asn Asp
20 25 30

Leu Gly Tyr His Phe Ser Ser Arg Val Arg Ser Xaa
35 40

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 316

Met Leu Val Val Asn Ile Asn Leu Val Phe Leu Leu Phe Phe Ile Phe
1 5 10 15

Leu Cys Tyr Leu Asp Ala Cys Ile Asn Val Phe Cys Phe Tyr Xaa
20 25 30

<210> 317

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals stop translation

<400> 317

Met Pro Val Leu Pro Gly Arg Thr Thr Ala Leu Leu Ser Leu Thr Leu
 1 5 10 15

Ala Phe Ala Val Pro Cys Ser Gly Val Glu Ala Gly Pro Cys Val Pro
 20 25 30

Arg Ser His Gly Cys Ser Ser Trp Glu Ala Ser Val Cys Val Thr Ser
 35 40 45

Ser Thr Pro Gly Gly Ser Trp Arg Ala Arg Ala Leu Phe Pro Ser Ala
 50 55 60

Ala Trp His Arg Xaa Ala Ala Trp Asp Ser Pro Trp Thr Gln Thr Gly
 65 70 75 80

Asp Phe Ala Arg Gly Ala Met Gly Gly Ala Gly Ala Leu Pro Gly Gly
 85 90 95

Cys Val Cys Ile Ser Gly Arg Pro Arg Ala Gln Lys Leu Pro Ala Leu
 100 105 110

Xaa

<210> 318

<211> 235

<212> PRT

<213> Homo sapiens

<400> 318

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
225 230 235

<210> 319

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 319

Met Glu Asn Phe Phe Phe Ser Phe Tyr Leu Phe Leu Ile Thr Leu Ile
1 5 10 15

Pro Asn Gly Arg Thr Leu Ser Thr Thr Ala Asp His Cys Lys Ile Pro
20 25 30

Cys Ile Xaa
35

<210> 320

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 320
 Met Glu Leu Trp Glu Leu Ala Leu Cys Leu Leu Val Ala Leu Ser Ala
 1 5 10 15
 His Met Phe Thr Val Gln Leu Leu Ala Asp Leu Gly Phe Leu Phe Gly
 20 25 30
 Gly Phe Xaa
 35

<210> 321
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals stop translation

<400> 321
 Met Gly Ala Gly Ile Leu Ala Leu Leu Leu Pro Leu Glu Ser Val Leu
 1 5 10 15
 Thr Cys Ser Trp Ile Ser Val Ser Thr Ser Glu Arg Gln Leu Trp Gln
 20 25 30
 Ser Ser Gln Lys Ala Thr Ile Leu Ser Leu Lys Leu Asp Ser Cys Phe
 35 40 45
 Cys Gly His Ser Gly Leu Lys Gly Lys Asn Glu Asp Thr Asp Ser Ser
 50 55 60
 Val Pro Ile Ile Pro Ser Lys Thr His Thr His Leu Gly Lys His Leu
 65 70 75 80
 Ile Xaa

<210> 322
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324

Met Gln Val Val Gly Ser Trp Pro Gly Arg Val Gly Val Val Gly Leu
1 5 10 15

Ala Phe Ser Leu Val Ile Pro Pro Pro Ala Ile Cys Ile Ala Gly Pro
20 25 30

Ala Pro Gly Leu Gly Gly Gly Glu Arg Gln Gln Lys Gly Leu Gly Arg
35 40 45

Gly Gly Gly Gly Leu Arg Asn Cys Pro Gly Arg Val Gly Met Ala Ala
50 55 60

Glu Pro Gly Ala Leu Leu Cys Leu Thr Ser Arg Asp Gly Ser Leu Leu
65 70 75 80

Leu Ser Cys Val Arg Pro His His Val Ile Lys Pro Lys Gly Thr Ala
85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa
100 105 110

Gly Gly Xaa
115

<210> 325

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Met Asp Leu Pro Gln Phe Ile Tyr Leu Phe Ile Phe Cys Phe Cys Cys
 1 5 10 15

Leu Ala Ile Val Asn Asn Ala Ser Ile Asn Ile His Ile Gln Val Ser
 20 25 30

Met Trp Leu Tyr Val Phe Ile Ser Leu Gly Tyr Leu His Gly Ser Arg
 35 40 45

Ile Leu Gly His Asn Ile Ile Leu Cys Leu Thr Ser Gln Arg Ile Ala
 50 55 60

Lys Arg Phe Phe Ile Val Ala Ala Ser Phe Thr Phe Pro Pro Ala Met
 65 70 75 80

Tyr Lys Asp Phe Tyr Phe Ser Ile Ser Leu His Leu Pro Thr Leu Leu
 85 90 95

Phe Xaa Xaa Xaa Phe Val Phe Ser Leu Leu Pro Pro
 100 105

<210> 326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 326

Met Cys Ser Pro Ser Leu Ser Ser Ser Pro Pro Pro Leu Leu Gln Val
 1 5 10 15

Phe Phe Phe Phe Phe Ser Pro His Trp Ala Ala Lys Val Val Pro
 20 25 30

Gln Trp Lys Xaa Arg His Pro Gln Val Ser Ser Gln Leu Leu Leu Cys
 35 40 45

Phe Leu Arg Val Asn Cys Gln Phe Leu Phe Leu Gln Glu Ile Leu Phe
 50 55 60

Xaa

65

<210> 327

<211> 49

<212> PRT

<213> Homo sapiens

<400> 327

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
1 5 10 15

Ala Phe Phe Ser Ile Thr Ser Glu Asn Glu Thr Phe Tyr Met Ile Ile
20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
35 40 45

Leu

<210> 328

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Met Glu Arg Pro Asp Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser
1 5 10 15

Leu Pro Ala Gly Ser Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr
20 25 30

Ala Gly Tyr Xaa Gln Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr
35 40 45

Leu Leu Leu Cys Arg Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu
50 55 60

His Thr Ala Ser Gly Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp
65 70 75 80

Gly Phe Ile Ala Asp Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu
85 90 95

Gly Glu Met Arg Phe Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu
100 105 110

Arg Thr Tyr Arg Gly Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly
115 120 125

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln Gly Pro Val Asp
130 135 140

Ala His Leu Val Pro Leu Glu Glu Pro Val Pro Ser His Trp Thr Val
145 150 155 160

Val Pro Asp Glu Asp Phe Val Leu Val Leu Ala Leu Leu His Ser His

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165 170 175
 Leu Gly Ser Glu Met Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly
 180 185 190
 Val Met His Leu Phe Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu
 195 200 205
 Leu Arg Leu Phe Leu Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu
 210 215 220
 Cys Pro Tyr Leu Val Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro
 225 230 235 240
 Lys Asp Gly Lys Gly Val Phe Ala Val Asp Gly Glu Leu Met Val Ser
 245 250 255
 Glu Ala Val Gln Gly Gln Val His Pro Asn Tyr Phe Trp Met Val Ser
 260 265 270
 Gly Cys Val Glu Pro Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro
 275 280 285
 Pro Glu Glu Pro Leu
 290

 <210> 329
 <211> 68
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

 <400> 329
 Met Pro Leu Glu Gly Phe Cys Leu Val Leu Asp Ile Gly Phe Leu Leu
 1 5 10 15
 Val Met Leu Ile Ser Leu Ala Ser Glu Cys Phe Thr Thr Cys Leu Asp
 20 25 30
 Ser Phe Ser Thr Thr Glu Pro Gly Cys Lys Phe Tyr Lys Leu Leu His
 35 40 45
 Ser Val Ser Leu Leu Asn Ile Asn Phe Asn Val Lys Ser Leu Leu Cys
 50 55 60
 Ser His Ile Xaa
 65

 <210> 330
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 330
 Met Pro Leu Gln Leu Ser Gly Gln Tyr Trp Ile Ser Leu Leu Val Phe
 1 5 10 15
 Leu Ser Leu Gln Pro Phe Pro Gln Ala Ala Ile Pro Cys Ala Leu Thr
 20 25 30
 Asp Val Gly Gly Ser Cys Val Ile Cys His Ile Leu Leu Asn Cys Leu
 35 40 45
 Cys Ile Leu Phe Thr Leu Thr Ala Pro Ser Leu Ser His Val Leu Leu
 50 55 60
 Ile Lys Met Ser Leu Ser Val Cys Tyr Glu Pro Gly Ala Asp Leu Ser
 65 70 75 80
 Asp Arg Ala Ala Thr Gly Asn Lys Lys Leu Thr Arg Ser Thr Cys Leu
 85 90 95
 Leu Met His Ser Asn Lys Leu Cys Xaa
 100 105

<210> 331
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 331
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Gly Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Pro Leu Ser Pro
 35 40 45
 Thr Thr Leu Met Cys Gln Ser Pro Leu Leu
 50 55

<210> 332
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

 <400> 332
 Met Leu Asn Val Leu Ser Lys Val Gln Gln Leu Val Ser Xaa Leu Gly
 1 5 10 15

 Leu Val Thr Phe Leu Leu Asn His Ser Ala Ala Gly Gly Ser Pro Gln
 20 25 30

 His Arg Trp Leu Leu Leu Xaa
 35

<210> 333
 <211> 72
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals stop translation

 <400> 333
 Met Lys Ala Ile Ala Arg Ala Cys Leu Leu Leu Ser Leu Leu Val Leu
 1 5 10 15

 Pro His Val Val Ser Glu His Leu Phe Trp His His Asn Pro Arg His
 20 25 30

 Pro Val Ile Trp Pro Phe Pro Pro Phe His Leu Ile Ser Cys Ser Val
 35 40 45

 Ser Ala Ser Thr Trp His Leu Gly Glu Xaa Leu Leu Leu Val Pro
 50 55 60

 Ile Ala Pro Ser Val Trp Ser Xaa
 65 70

<210> 334
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

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<400> 334

Met Glu Gln Gly Gly Gly Pro Arg Leu Leu Leu Ile Pro Gly Leu
 1 5 10 15

Leu His Asn Thr Tyr Leu Ala Arg Pro Gly Asp Phe Pro Ala Gln Gly
 20 25 30

Thr Thr Glu Asn Thr Glu Cys Gln Gly Ser Pro Ser Pro Ile Ser His
 35 40 45

Leu Gly Lys Val Arg Ser Leu Asp Ser Asn Thr Gln Ile Xaa
 50 55 60

<210> 335

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (286)

<223> Xaa equals stop translation

<400> 335

Met Pro Leu Leu Phe Phe Ser Val Ser Thr Leu Phe Ser Gly Ser Val
 1 5 10 15

Thr Leu Gln Gln Arg Gly Met Phe Leu Pro Trp Thr Gly Thr Gly Glu
 20 25 30

Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu Met
 35 40 45

Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly Leu
 50 55 60

Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser Ser
 65 70 75 80

Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met Gln
 85 90 95

Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg Val
 100 105 110

Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn
 115 120 125

Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp Asp
 130 135 140

Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr Gln
 145 150 155 160

Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val Ala
 165 170 175

Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu Arg
180 185 190

Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe Gly
195 200 205

Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met Arg
210 215 220

Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly Ala Leu
225 230 235 240

Thr Gln Leu Ile Gln Leu Tyr His Arg Phe His Arg Val Leu Ser Gln
245 250 255

Pro Gln Leu Arg Ala Leu Pro Ala Arg Ala Glu Leu Ile Asn Ile His
260 265 270

His Leu Met Val Glu Leu Lys Lys His Lys Pro Asn Phe Xaa
275 280 285

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 336

Met Phe Arg Ala Leu Arg Asp Leu Leu Thr His Tyr Pro Gln Gln Ile
1 5 10 15

Leu Leu Gln Val Leu Val Val Met Tyr Gln Val Leu Gln Val Trp Glu
20 25 30

Leu Pro Trp Pro Glu Leu Ile His Leu Gln Gly Ile Val Pro Thr Asp
35 40 45

Gln Leu His Leu Lys Gln Xaa
50 55

<210> 337

<211> 59

<212> PRT

<213> Homo sapiens

<400> 337

Met Ser Tyr Pro Leu Phe Leu Phe Met Ser Cys Met Val Ile Ser Leu
1 5 10 15

Ser Pro Asn Ala Gly Ser Gln Thr Ser Thr Val Arg Cys Leu Ser Asp
20 25 30

Leu Val Thr Phe Thr Leu Ile Lys Gly Ser Pro Val His Gln Thr Pro
 35 40 45

Tyr Leu Glu Ser Ser Ile Asn Cys Ile Thr Phe
 50 55

<210> 338
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals stop translation

<400> 338
 Met His Pro Ala Arg Lys Leu Leu Ser Leu Leu Phe Leu Ile Leu Met
 1 5 10 15
 Gly Thr Glu Leu Thr Gln Asp Ser Ala Ala Pro Asp Ser Leu Leu Arg
 20 25 30
 Ser Ser Lys Gly Ser Thr Arg Gly Ser Leu Ala Ala Ile Val Ile Trp
 35 40 45
 Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys Thr Pro Gly Ile Phe Arg
 50 55 60
 Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu Trp Leu
 65 70 75 80
 Ile Leu Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly
 85 90 95
 Gly Gly Asp Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly
 100 105 110
 Gln Leu Cys Ala Leu Leu Ala Xaa
 115 120

<210> 339
 <211> 38
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 339
 Met Pro Ser Phe Phe Leu Ser Leu Ile Gln Thr Asn Thr Leu Gly Ser
 1 5 10 15
 Ala Ser Phe Leu Leu Phe Leu Thr Leu His Ile His Leu Ser Pro Asn

20

25

30

Xaa Val His Ser Ala Ser
35

<210> 340

<211> 45

<212> PRT

<213> Homo sapiens

<400> 340

Met Phe Ser Arg Thr Ser Asn Phe Trp Thr Phe Phe Phe Gln Phe Leu
1 5 10 15

Ile Phe Lys Val Phe Leu Val Leu Lys Asn Leu Phe Thr Ser Gln Lys
20 25 30

Ile Tyr Lys Ile Tyr Ser Glu Lys Pro Lys Lys Lys Lys Lys
35 40 45

<210> 341

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 341

Met Gly Leu Leu Ile Phe Met Leu Leu Ile Gly Ile His Ser Gln Cys
1 5 10 15

Ser Xaa

<210> 342

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals stop translation

<400> 342

Met Val Leu Phe Cys Phe Val Leu Phe Cys Phe Val Phe Glu Met Asp
1 5 10 15

Ser Ser Ser Val Thr Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser
20 25 30

Leu Gln Ala Pro Pro Pro Gly Phe Ser Pro Phe Ser Cys Leu Ser Leu

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35

40

45

Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe
50 55 60

Leu Tyr Phe Leu Val Glu Thr Gly Phe His His Val Ser Gln Asp Gly
65 70 75 80

Leu Asp Leu Leu Thr Ser Xaa
85

<210> 343

<211> 538

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (538)

<223> Xaa equals stop translation

<400> 343

Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp
50 55 60

Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn
65 70 75 80

Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser
85 90 95

Pro Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
100 105 110

Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val
115 120 125

Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala
130 135 140

His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys
145 150 155 160

Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp Val Leu Pro Phe
165 170 175

Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr Leu Leu Asn Ile Arg
180 185 190

Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu Ile
 195 200 205
 Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr Lys
 210 215 220
 Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile Ile
 225 230 235 240
 Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro Val
 245 250 255
 Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe Ile
 260 265 270
 Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met
 275 280 285
 Leu Leu Phe Gly Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu
 290 295 300
 Ser Phe Trp Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu
 305 310 315 320
 Arg Asn His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val
 325 330 335
 Gly Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
 340 345 350
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr Glu
 355 360 365
 Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys Leu Tyr
 370 375 380
 Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg Asn Ile Ser
 385 390 395 400
 Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val Arg Arg Leu His
 405 410 415
 Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu Met Leu Ile Thr Leu
 420 425 430
 Ala Cys Ala Ala Met Thr Val Ile Phe Phe Ile Val Ser Gln Val Thr
 435 440 445
 Glu Gly His Trp Lys Trp Gly Gly Val Thr Val Gln Val Asn Ser Ala
 450 455 460
 Phe Phe Thr Gly Ile Tyr Gly Met Trp Asn Leu Tyr Val Phe Ala Leu
 465 470 475 480
 Met Phe Leu Tyr Ala Pro Ser His Lys Asn Tyr Gly Glu Asp Gln Ser
 485 490 495

Arg Ser Ala Ala Ala Ser Asn Tyr Val Xaa

195

200

<210> 345
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 345
 Met Val Ser Ile Ser Val Val Leu Arg Val Ser Leu Pro Thr Leu Glu
 1 5 10 15
 Pro Val Pro Val Ala Gly Arg Ser Ile Trp Ile Ser Thr Thr Ser Pro
 20 25 30
 Ser Met Ile Ser Val Ser Ser Leu Met Arg Thr Pro Met Asp Arg Arg
 35 40 45
 Lys Ala Cys Val Ser Ala Ser Val Leu Leu Ile Ser Arg Glu Lys Ile
 50 55 60
 Ser Leu Pro Ala Met Ala Val Asn Gly Val Ser Gly Pro Arg Ala Cys
 65 70 75 80
 Ala Met Pro Met Ala Met Ala Val Phe Pro Val Pro Gly Trp Pro Ala
 85 90 95
 Ile Arg Thr Ala Arg Pro Ala Ile Phe Pro Ser Arg Ile Ile Ser Ser
 100 105 110
 Thr Thr Pro Ala Ala Arg Arg Ala Ala Ser
 115 120

<210> 346
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 346
 Met Leu Ala Leu Leu Gly Leu Ser Gln Ala Leu Asn Ile Leu Leu Gly
 1 5 10 15
 Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys Glu Lys Gly
 20 25 30
 Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr
 35 40 45
 Leu Arg Leu Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg Thr Tyr Asn
 50 55 60
 Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln Arg Leu Tyr
 65 70 75 80
 Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
 85 90 95

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Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
 100 105 110
 Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn Ser Ile Tyr Glu Leu
 115 120 125
 Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val Leu Glu Tyr Ala Thr
 130 135 140
 Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr Ser Gln Ala Gly Phe
 145 150 155 160
 Ser Gly Glu Asp Arg Leu Glu Gln Ala Lys Leu Phe Cys Arg Thr Leu
 165 170 175
 Glu Asp Ile Leu Ala Asp Ala Pro Glu Ser Gln Asn Asn Cys Arg Leu
 180 185 190
 Ile Ala Tyr Gln Glu Pro Ala Asp Asp Ser Ser Phe Ser Leu Ser Gln
 195 200 205
 Glu Val Leu Arg His Leu Arg Gln Glu Glu Lys Glu Glu Val Thr Val
 210 215 220
 Gly Ser Leu Lys Thr Ser Ala Val Pro Ser Thr Ser Thr Met Ser Gln
 225 230 235 240
 Glu Pro Glu Leu Leu Ile Ser Gly Met Glu Lys Pro Leu Pro Leu Arg
 245 250 255
 Thr Asp Phe Ser
 260

<210> 347

<211> 48

<212> FRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 347

Met Thr Pro Gln Lys Pro Ala Leu Ala Val Leu Leu Leu Glu Val Pro
 1 5 10 15

Leu Leu Leu Thr Leu Ser Val Leu Lys Lys Arg Cys Leu Val Thr Cys
 20 25 30

Glu Pro Thr Ser Arg Phe Val Ser Cys Asp Leu Pro Leu Ser Val Xaa
 35 40 45

<210> 348
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (288)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (334)
 <223> Xaa equals stop translation

<400> 348
 Met Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu Leu
 1 5 10 15
 Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly Pro Ala
 20 25 30
 Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro Ile Pro Ser
 35 40 45
 Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe Arg Asn Thr Thr
 50 55 60
 Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp Leu Ser Leu Asn Ile
 65 70 75 80
 Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr Asn Glu Ile Tyr Asn Phe
 85 90 95
 Lys Ala Glu Glu Val Glu Leu Tyr Leu Glu Lys Leu Lys Glu Lys Arg
 100 105 110
 Gly Leu Ser Gly Lys Tyr Gln Thr Ser Ser Lys Leu Phe Gln Asn Cys
 115 120 125
 Ser Glu Leu Phe Lys Thr Gln Thr Phe Ser Gly Asp Phe Met His Arg
 130 135 140
 Leu Pro Leu Leu Gly Glu Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn
 145 150 155 160
 Leu Thr Phe Ile Gly Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr
 165 170 175
 Trp Gln Asp Ala Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser
 180 185 190
 Ser Lys Glu Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met
 195 200 205
 Thr Val Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr
 210 215 220

Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
225 230 235 240

Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu Leu
245 250 255

Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met Leu Glu
260 265 270

Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr Lys Gly Xaa
275 280 285

Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu Ser Ala Val Lys
290 295 300

Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val Ser Leu Gly Tyr Gly
305 310 315 320

Ile Val Lys Pro Arg Leu Glu Ser Leu Phe Ile Arg Leu Xaa
325 330

<210> 349

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 349

Met Val Leu Xaa Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys
1 5 10 15

Gly Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr
20 25 30

Ala Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu
35 40 45

Phe Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr
50 55 60

Leu Ala Ile Thr Leu Ala Ala Ser Ala Gly Ser Ser Ser Ser Thr
65 70 75 80


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Pro Ser Leu Arg Ser Thr Ala Pro Phe Cys Gln Pro Cys Arg Arg Thr
      85                      90                      95

Arg Pro Thr Thr Ser Thr Arg Arg Ser Pro Gly Cys Gly Arg Arg Pro
      100                      105                      110

Ser Arg Arg Thr Cys Ser Cys Arg Gly Pro Ile Trp Arg Thr Arg Pro
      115                      120                      125

Ser Pro Trp Met Asn Thr Met Gln Leu Ser Glu Gln Gln Asp Phe Pro
      130                      135                      140

Thr Ala Ala Trp Glu Lys Asp Pro Val Ala Ala Trp Gly Lys Asp Pro
      145                      150                      155                      160

Ala Leu Arg Leu Glu Ala Thr Cys Ile Ser Gln Leu Arg Trp Pro Ser
      165                      170                      175

Cys Ser Thr Val Gly Pro Ser Gln Leu Leu Arg Gln Val Thr Gln Glu
      180                      185                      190

Xaa Thr Phe Gly Glu Arg Leu Xaa
      195                      200

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<210> 350
<211> 24
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (24)
<223> Xaa equals stop translation

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<400> 350
Met Leu Leu His His Gln Leu Leu Ile Val Thr Leu His Leu Val Leu
  1                      5                      10                      15

Leu Leu Ala Thr Leu Leu Val Xaa
      20

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<210> 351
<211> 143
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals stop translation

<400> 351
 Met Thr Lys Ala Leu Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu
 1 5 10 15
 Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln
 20 25 30
 Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu
 35 40 45
 Cys Leu Ala Phe Val Glu Ser Lys Phe Asn Ile Ser Lys Ile Asn Glu
 50 55 60
 Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn Ser His
 65 70 75 80
 Tyr Trp Cys Asn Xaa Tyr Lys Ser Tyr Ser Glu Asn Leu Cys His Val
 85 90 95
 Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu Ala Gly Ile His Cys
 100 105 110
 Ala Lys Arg Ile Val Ser Gly Ala Arg Gly Met Asn Asn Trp Val Arg
 115 120 125
 Met Glu Xaa Cys Thr Val Gln Ala Gly His Ser Ser Thr Gly Xaa
 130 135 140

<210> 352
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 352
 Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Ile
 1 5 10 15
 Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu Lys Ala
 20 25 30
 Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys
 35 40 45
 Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser
 50 55 60
 Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe

65

70

75

80

Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu Xaa
 85 90 95

<210> 353

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 353

Met Leu Leu Lys Ser Asn Ile Leu Met Leu Asn Leu Phe Ala Ala Asn
 1 5 10 15

Val Gly Ala Asn Phe Ala Leu Thr Val Glu Lys Ile Gly Met Ile Leu
 20 25 30

Leu Asn Val Ser Gly Xaa
 35

<210> 354

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 354

Met Leu Val Val Ala Phe Gly Leu Leu Val Leu Tyr Ile Leu Leu Ala
 1 5 10 15

Ser Ser Trp Lys Arg Pro Glu Pro Gly Ile Leu Thr Asp Arg Gln Pro
 20 25 30

Leu Leu His Asp Gly Glu Xaa
 35

<210> 355

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop, translation

<400> 355
 Ser Asp Pro Leu Ala Ser Ala Ser Gln Asn Ala Gly Ile Val Ser Val
 1 5 10 15
 Gly Leu Cys Thr Arg Pro Gly Pro Gln Phe Lys Asn Ala Gln Pro Pro
 20 25 30
 Phe Pro Xaa Gln Lys Ala Pro Arg Cys Leu Trp Glu Asn Gln Pro Pro
 35 40 45
 Pro Trp Arg Lys Ala Trp Asp Leu Pro Ser His Leu Gly Arg Arg Gly
 50 55 60
 Ile Cys Gly Lys Ser Phe Xaa
 65 70

<210> 356
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 356
 Met Ala Asp Leu Leu Gly Ser Ile Leu Ser Ser Met Glu Lys Pro Pro
 1 5 10 15
 Ser Leu Gly Asp Gln Glu Thr Arg Arg Lys Ala Arg Glu Gln Ala Ala
 20 25 30
 Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val Glu Phe
 35 40 45
 Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp Ser Gly
 50 55 60
 Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg Ser Ile
 65 70 75 80
 Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser Phe Gly
 85 90 95
 Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu Phe Ala
 100 105 110
 Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp
 115 120 125
 Pro Gln Lys Ala Glu Glu Lys Arg Lys Leu Lys Glu Leu Ala Gln Arg
 130 135 140
 Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala
 145 150 155 160

Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala
 165 170 175

Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Val
 180 185 190

Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn
 195 200 205

Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu Glu Leu Pro
 210 215 220

Pro Thr Ser
 225

<210> 357

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals stop translation

<400> 357

Met	Trp	Asp	Trp	Asp	Trp	Ser	Ala	Pro	Trp	Ser	Trp	Pro	Leu	Trp	Leu
1				5					10				15		

Ser	Leu	Ala	Leu	Val	Cys	Leu	Ser	Ala	Gly	Ala	Lys	Gly	His	Arg	Ala
	20								25				30		

Ser	Glu	Ala	Gly	His	Ala	Arg	Ala	Leu	Thr	Cys	Glu	Met	Gly	Ser	Glu
	35							40				45			

Phe	Xaa	Thr	Ala	Xaa	Gly	Leu	Val	Leu	Gly	Xaa	Xaa	Xaa	Trp	Thr	Xaa
	50				55					60					

Xaa	Asn	Gly	Ser	Ala	Gly	Pro	Glu	Arg	Arg	Gly	Trp	Arg	Pro	Ala	Ala
	65				70					75				80	

Phe	Leu	Ala	Val	Phe	Leu	Leu	Gly	Asp	Xaa
			85					90	

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Met	Phe	Gly	Pro	Thr	Phe	His	Ser	Leu	Val	Leu	Val	Pro	Pro	Trp	Pro
1					5					10				15	

Asn	Leu	Ser	Leu	Leu	His	Phe	Thr	Ser	Pro	Val	Gly	Gln	His	Ser	Ser
	20							25					30		

Phe	Leu	Pro	Thr	Ser	Leu	Arg	Leu	Xaa	Lys	Lys	Lys	Lys	Lys	Lys	Lys
	35						40					45			

<210> 359

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 359

Met Cys Ser Lys Asn Gly Phe Leu Leu Ala Trp Ser Trp Asn Ser Pro
1 5 10 15

Trp Leu Pro Gln Ala Ser Leu Ala His Gly Cys Trp Gly Arg Trp Met
20 25 30

Ser Asp Leu Val Gly Cys Ser Arg Glu Asn Lys Cys Ala Leu Arg Asp
35 40 45

His Ser Glu Arg Val Gln Gly Xaa
50 55

<210> 360

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals stop translation

<400> 360

Ser Pro Leu Xaa Phe Cys Val Val Leu Leu Gln Ala Ala Arg Gly
1 5 10 15

Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp Asp Asp Pro Pro
20 25 30

Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro Gly Ile Glu Lys
35 40 45

Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu Met Ala Asn Lys
50 55 60

Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met Lys Lys Ile Val
65 70 75 80

Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg Ile Ile Ala Leu
85 90 95

Ser Val Lys Ile Arg Ser Tyr Glu Glu His Leu Glu Lys His Arg Lys
100 105 110

Asp Lys Ala His Lys Arg Tyr Leu Leu Met Ser Ile Asp Gln Arg Lys
115 120 125

Lys Met Leu Lys Asn Leu Arg Asn Thr Asn Tyr Asp Val Phe Glu Lys
130 135 140

Ile Cys Trp Gly Leu Gly Ile Glu Tyr Thr Phe Pro Pro Leu Tyr Tyr
145 150 155 160

10004350-120700

Arg Arg Ala His Arg Arg Phe Val Thr Lys Lys Ala Leu Cys Ile Arg
 165 170 175
 Val Phe Gln Glu Thr Gln Lys Leu Lys Lys Arg Arg Arg Ala Leu Lys
 180 185 190
 Ala Ala Ala Ala Ala Gln Lys Gln Ala Lys Arg Arg Asn Pro Asp Ser
 195 200 205
 Pro Ala Lys Ala Ile Pro Lys Thr Leu Lys Asp Ser Gln Xaa
 210 215 220

<210> 361
 <211> 64
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 361
 Met Gly Ala Pro Ala Ala Ser Leu Leu Leu Leu Leu Phe Ala
 1 5 10 15
 Cys Cys Trp Ala Pro Gly Gly Ala Asn Leu Ser Gln Asp Asp Ser Gln
 20 25 30
 Pro Trp Thr Ser Asp Glu Thr Val Val Ala Gly Gly Thr Val Val Leu
 35 40 45
 Lys Cys Gln Val Lys Asp His Glu Asp Ser Ser Leu Gln Trp Ser Xaa
 50 55 60

<210> 362
 <211> 154
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE

10004800-127771

<222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

 <400> 362
 Met Val Ala Pro Val Trp Tyr Leu Val Ala Ala Ala Leu Leu Val Gly
 1 5 10 15
 Phe Ile Leu Phe Leu Thr Arg Ser Arg Gly Arg Ala Ala Ser Ala Gly
 20 25 30
 Gln Glu Pro Leu His Asn Glu Glu Leu Ala Gly Ala Gly Arg Val Ala
 35 40 45
 Gln Pro Gly Pro Leu Glu Pro Glu Glu Pro Arg Ala Gly Gly Arg Pro
 50 55 60
 Arg Arg Arg Arg Asp Leu Gly Ser Arg Leu Gln Ala Gln Arg Arg Ala
 65 70 75 80
 Gln Arg Val Ala Trp Ala Glu Ala Asp Glu Asn Glu Glu Glu Ala Val
 85 90 95
 Ile Leu Ala Gln Glu Glu Glu Gly Val Glu Lys Pro Ala Glu Xaa His
 100 105 110
 Leu Ser Gly Lys Ile Gly Ala Lys Lys Leu Arg Xaa Xaa Glu Glu Lys
 115 120 125
 Gln Ala Arg Lys Ala Gln Xaa Glu Ala Glu Glu Ala Glu Arg Glu Xaa
 130 135 140
 Arg Lys Arg Leu Glu Ser Gln Arg Glu Xaa
 145 150

 <210> 363
 <211> 17
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (17)

<223> Xaa equals stop translation

<400> 363

Met Gln Lys Cys Met Leu Ser Ala Leu Val Phe His Ile Gln Trp Ser
1 5 10 15

Xaa

<210> 364

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 364

Met Leu Val Cys Ser Phe Leu Phe Leu Xaa
1 5 10

<210> 365

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 365

Val Ile Glu Leu Cys Val Ser Leu Arg Ser Leu Asn Phe Xaa
1 5 10

<210> 366

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 366

Met	Cys	Glu	Phe	Xaa	Xaa	Xaa	Ile	Met	Xaa	Leu	Ala	Gly	Tyr	Phe	Ala
1				5					10					15	

Cys Xaa

<210> 367

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 367

Met	Val	Gly	Gly	Tyr	Val	Ser	Ser	Phe	Ser	Phe	Pro	Pro	Val	Ser	Ser
1					5				10					15	

Ser	Leu	Leu	Leu	Pro	Ala	Ser	Phe	Ala	Phe	Pro	Phe	Leu	Pro	Gly	Thr
				20				25						30	

Pro	Cys	Pro	Phe	Leu	Tyr	Phe	Leu	Pro	Ser	Pro	Phe	Ser	Pro	Leu	Pro
				35				40					45		

Leu	Ser	Leu	Thr	Arg	Ser	Asn	Ser	Phe	Leu	Leu	Asn	Gly	Xaa
				50			55				60		

<210> 368

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 368

Glu	Lys	Lys	Ser	Met	Ser	Val	Ser	Asp	Ile	Tyr	Ala	Leu	Glu	Ser	Leu
1					5				10					15	

Gly Arg Ser Leu Phe Thr Leu Asn Ser Met Cys Leu Pro Leu Ser Phe
 20 25 30

Xaa

<210> 369

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369

Met Gly Gly Ala Ser Arg Arg Val Glu Ser Gly Ala Trp Ala Tyr Leu
 1 5 10 15

Ser Pro Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Val Glu Asn Glu
 20 25 30

Gly Ser Glu Val Leu Ala Leu Pro Glu Leu Pro Ser Ala His Pro Ile
 35 40 45

Ile Phe Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser
 50 55 60

Ile Leu Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser
 65 70 75 80

Gln Ala Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val
 85 90 95

Arg Leu Leu Trp Asp Val Leu Thr Pro Asp Pro Asn Ser Cys Pro Pro
 100 105 110

Leu Tyr Val Leu Trp Arg Val His Ser Gln Ile Pro Gln Arg Val Val
 115 120 125

Trp Pro Gly Pro Val Pro Ala Ser Leu Ser Leu Ala Leu Leu Glu Ser
 130 135 140

Val Leu Arg His Val Gly Leu Asn Glu Val His Lys Ala Val Gly Leu
 145 150 155 160

Leu Leu Glu Thr Leu Gly Pro Pro Pro Thr Gly Leu His Leu Gln Arg
 165 170 175

Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu Gly Lys
 180 185 190

Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser Ala Phe
 195 200 205

Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His Arg Arg

210

215

220

Ala Gln Met Pro Thr Pro Lys Ala Ile Asp Cys Arg Lys Cys Phe Gly
 225 230 235 240

Ala Pro Pro Glu Cys
 245

<210> 370
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 370
 Met Lys Phe Ser Leu Leu Phe Leu Pro Met Leu Leu Ile Leu Lys Pro
 1 5 10 15

Asp Leu Phe His Ile Ser Ile Cys Thr Leu Ala Ala Cys Gly Leu Thr
 20 25 30

Phe Pro Xaa
 35

<210> 371
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 371
 Met Leu Phe Phe Phe Ile Leu His Leu Leu Ser Ile Met Ser Phe Leu
 1 5 10 15

Ser Pro Asp Ile Met Xaa
 20

<210> 372
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 372

Met Phe Gly Leu Leu Val Glu Ser Gln Thr Leu Leu Glu Glu Asn Ala
 1 5 10 15

Val Gln Gly Thr Glu Arg Thr Leu Gly Leu Asn Ile Ala Pro Phe Ile
 20 25 30

Asn Gln Phe Gln Val Pro Ile Arg Val Phe Leu Asp Leu Ser Ser Leu
 35 40 45

Pro Cys Ile Pro Leu Ser Lys Pro Val Glu Leu Leu Arg Leu Asp Leu
 50 55 60

Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val
 65 70 75 80

Cys Xaa Ile Trp Glu Asp Leu Thr Ala Ile Pro Phe Trp Val Ser Tyr
 85 90 95

Val Pro

<210> 373

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Met Phe Gly Ala His Arg Xaa Trp Gln Gly Ser Val Leu Leu Phe Leu
 1 5 10 15

Ser Phe Ala Trp Gly Asn Gly Gly Ser Val Thr Phe Ser Asp Val Pro
 20 25 30

Arg Val Met Pro Leu Ala Gly Gly Pro Xaa Xaa Gln Val Ser Ser Thr
 35 40 45

Pro Arg Pro Pro Pro His Gln Val Thr Ser Ser Pro Gly Leu Glu Ser
 50 55 60

Ala His Ile Val Cys Pro Glu Arg Lys Lys Lys Lys Lys
 65 70 75

<210> 374
 <211> 31
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

 <400> 374
 Thr Leu Leu Xaa Phe Leu Xaa Leu Leu Thr Thr Glu Gly Gly Arg Glu
 1 5 10 15

 Asn Ile Phe Xaa Gly Arg Ile Leu Xaa Leu Gln Xaa Ser Pro Xaa
 20 25 30

 <210> 375
 <211> 57
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (57)

<223> Xaa equals stop translation

<400> 375

Met Leu Ser Phe Phe Ile Cys Leu Leu Ile Phe Val His Leu Leu Leu
1 5 10 15

Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Thr Gly Ser Ala Xaa
20 25 30

His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp
35 40 45

Gln Arg Lys Arg Trp Ser Glu Ala Xaa
50 55

<210> 376

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 376

Met Cys His His Ala Trp Leu Ile Phe Lys Phe Phe Val Xaa Met Gly
1 5 10 15

Ser His Tyr Val Ala Gln Ala Gly Phe Arg Phe Leu Cys Ser Arg Asp
20 25 30

Ser Ala Asn Leu Ala Pro Gln Ser Ala Gly Ile Thr Asn Val Ser His
35 40 45

Cys Ile Trp Pro Ile Phe Phe Phe Lys Lys Lys Met Gln Arg Cys
50 55 60

<210> 377

<211> 38

<212> PRT

<213> Homo sapiens

<400> 377

Met Thr Met Val Leu Cys Ile Phe Ile Leu Gly His His Ala Arg Glu
1 5 10 15

Asp Pro Pro Ser Asn Gly His Ile Thr Ser Glu Gly Ala Phe Leu Val
20 25 30

Asn Val Gly Ala Pro Gln
35

<210> 378

<211> 98

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 378
 Met Leu Arg Leu Glu Ala Arg Ala Thr Thr Pro Gly Leu Gln Thr His
 1 5 10 15

 Ser Cys Leu Gly Phe Tyr Ile Lys Tyr Glu His Lys Asn Thr Phe Pro
 20 25 30

 Lys Tyr Ser Leu Trp Leu Cys Leu Thr Leu Gly Thr Xaa Pro Ser Thr
 35 40 45

 Ser Ser Ile Leu Arg Tyr Val Arg Gly Val Tyr Arg Gly Leu Glu Tyr
 50 55 60

 Ile Arg Phe Phe Ser Asn Ser Ser Ser Ser Arg Arg Arg Leu Thr Thr
 65 70 75 80

 Ser Leu Gly Phe Lys Val Ser Gly Leu Lys Phe Pro Pro Glu Ile Thr
 85 90 95

 Ile Arg

<210> 379
 <211> 15
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

 <400> 379
 Thr Leu Thr Ser Phe Leu Glu Leu Pro Leu Ala Pro Glu Pro Xaa
 1 5 10 15

 <210> 380
 <211> 34
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

 <400> 380
 Met His Arg Tyr Ile Thr Phe Phe Lys Cys Phe Arg Ser Val Ile Leu

1 5 10 15
 Asp Leu Leu Phe Ile Leu Ser Pro Leu Ser Gln Gly Cys Phe Ile Leu
 20 25 30

Phe Xaa

<210> 381
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 381
 Met Phe Gly Phe Ile Phe Leu Leu Leu Ile Phe Cys Ile Xaa Leu Cys
 1 5 10 15

Ser Arg Thr Leu Ser Thr Phe Ile Pro Lys Leu Val Gly Phe Leu Tyr
 20 25 30

Trp Lys Phe Ser Ile Asn Leu Ser Leu Leu Leu Thr Leu Ile Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Thr Pro Arg Gly Gly Pro Gly Xaa Gln Ser
 50 55 60

Pro. Pro
 65

<210> 382
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 382
 Met Pro Gly Leu Gly Arg Pro Arg Gln Ala Arg Trp Thr Leu Met Leu
 1 5 10 15

Leu Leu Ser Thr Ala Met Tyr Gly Ala His Ala Pro Leu Leu Ala Leu
 20 25 30

Cys His Val Asp Gly Arg Val Pro Phe Arg Pro Ser Ser Ala Val Leu
 35 40 45
 Leu Thr Glu Leu Thr Lys Leu Leu Leu Cys Ala Phe Ser Leu Leu Val
 50 55 60
 Gly Trp Gln Ala Trp Pro Gln Gly Pro Pro Pro Trp Arg Gln Ala Ala
 65 70 75 80
 Pro Phe Ala Leu Ser Ala Leu Leu Tyr Gly Ala Asn Asn Asn Leu Val
 85 90 95
 Ile Tyr Leu Gln Arg Tyr Met Asp Pro Ser Thr Tyr Gln Val Leu Ser
 100 105 110
 Asn Leu Lys Ile Gly Ser Thr Ala Val Leu Tyr Cys Leu Cys Leu Arg
 115 120 125
 His Arg Leu Ser Val Arg Gln Gly Leu Ala Leu Leu Leu Met Ala
 130 135 140
 Ala Gly Ala Cys Tyr Ala Ala Gly Gly Leu Gln Val Pro Gly Asn Thr
 145 150 155 160
 Leu Pro Ser Pro Pro Pro Ala Ala Ala Ala Ser Pro Met Pro Leu His
 165 170 175
 Ile Thr Pro Leu Gly Leu Leu Leu Leu Ile Leu Tyr Cys Leu Ile Ser
 180 185 190
 Gly Leu Ser Ser Val Tyr Thr Glu Leu Leu Met Lys Arg Gln Xaa Leu
 195 200 205
 Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr Thr Phe Gly Val Leu Leu
 210 215 220
 Asn Leu Gly Leu His Ala Gly Gly Gly Ser Gly Pro Gly Leu Leu Glu
 225 230 235 240
 Gly Phe Ser Gly Trp Ala Ala Leu Val Val Leu Ser Gln Ala Leu Asn
 245 250 255
 Gly Leu Leu Met Ser Ala Val Met Lys His Gly Ser Ser Ile Thr Arg
 260 265 270
 Leu Phe Val Val Ser Cys Ser Leu Val Val Asn Ala Val Leu Ser Ala
 275 280 285
 Val Leu Leu Arg Leu Gln Leu Thr Ala Ala Phe Phe Leu Ala Thr Leu
 290 295 300
 Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr Gly Ser Arg
 305 310 315

<210> 383

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 383

Met Gly Glu Gln Pro His Phe Ser Leu Cys Val Leu Leu Ala Ala Val
1 5 10 15

Arg Glu Asp Xaa Asp Pro Xaa Val Phe Pro Cys Cys Phe Leu Xaa
20 25 30

<210> 384

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 384

Met Ser Phe Ile Ala Leu His Pro Leu Leu Pro Glu Ala Ala Leu Gly
1 5 10 15

Val Pro Gly Gln Ser Pro His Arg Pro Leu Trp Gln Thr Gln Cys Cys
20 25 30

Val Ala Pro Pro Gln Pro Arg Ala Glu Phe Xaa
35 40

<210> 385

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (255)

<223> Xaa equals stop translation

<400> 385

Met Val Thr Ala Leu Thr Leu Leu Ala Phe Pro Leu Leu Leu His

1	5	10	15
Ala Glu Arg Ile Ser Leu Val Phe Leu Leu Leu Phe Leu Gln Ser Phe			
20		25	30
Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr Pro Gly			
35		40	45
Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu Met Ala			
50	55	60	
Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro Ala Ile			
65	70	75	80
His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly Ser Cys			
85	90	95	
Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala Ser His			
100	105	110	
Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro Phe Leu			
115	120	125	
Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly Asn Glu			
130	135	140	
Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu Met Glu			
145	150	155	160
Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu Leu Gln			
165	170	175	
Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu Ala Cys			
180	185	190	
Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp Lys Val			
195	200	205	
Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val Ser Ser			
210	215	220	
Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp Gly Ala			
225	230	235	240
Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg Xaa			
245	250	255	

<210> 385

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 388
Met Ile His Ser Gly Cys Thr Ser Gln Cys Leu Glu Gly Phe Phe Leu
1 5 10 15

Ile Phe Leu Leu Asp Phe Asn Pro Val Leu Ala Leu Asp Leu Ile Gly
 20 25 30

Ile Met Arg Lys Ala Ser His Xaa
 35 40

<210> 389
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 389
 Met Val Phe Ser Ala Arg Val Ser Leu Tyr Thr Arg Phe Lys Val Ile
 1 5 10 15

Leu Leu Ser Leu Leu Ile Met Ile Leu His Val Cys Trp Val Trp Val
 20 25 30

Ile Leu Xaa
 35

<210> 390
 <211> 11
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 390
 Gly Leu Leu Tyr Ile Met Tyr Cys Asn Ile Xaa
 1 5 10

<210> 391
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 391
 Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro
 1 5 10 15

Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser
20 25 30

Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys
35 40 45

Ser Gly Gly Arg Asp His Thr Gly Gly Asn Lys Asp Arg Gly Ile Xaa
50 55 60

<210> 392

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals stop translation

<400> 392

Met Arg Lys Gln Arg Leu Val Pro Met Tyr Leu Gly Leu Ile Tyr Ile
1 5 10 15

Leu Leu Xaa

<210> 393

<211> 43

<212> PRT

<213> Homo sapiens

<400> 393

Met Glu Ile Ser Val Ile Lys Ile Phe Gln Asp Glu Thr Thr Leu Lys
1 5 10 15

Ile Lys Leu Cys Leu Val Ser Leu Ser Ser Leu Leu Val Ser Leu Leu
20 25 30

Leu Leu Ile Leu Pro Glu Ser Thr Ser Leu Trp
35 40

<210> 394

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 394

Leu Leu Leu Pro Val Leu Ala Ser Ser Val Pro Ser His Ser Ala Thr
 1 5 10 15

Xaa

<210> 395

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals stop translation

<400> 395

Met Leu Pro Leu Leu Leu Phe Thr Tyr Leu Asn Ser Phe Leu His Gln
 1 5 10 15

Arg Ile Pro Gln Ser Val Arg Ile Leu Gly Ser Leu Val Ala Ile Leu
 20 25 30

Leu Val Phe Leu Ile Thr Ala Ile Leu Val Lys Val Gln Leu Asp Ala
 35 40 45

Leu Pro Phe Phe Val Ile Thr Met Ile Lys Ile Val Leu Ile Asn Ser
 50 55 60

Phe Gly Ala Ile Leu Gln Gly Ser Leu Phe Gly Leu Ala Gly Leu Leu
 65 70 75 80

Pro Ala Ser Xaa

<210> 396

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 396

Met Lys Leu Ser Leu Phe Leu Ile Leu Ser Asp Val Phe Tyr Leu Gly
 1 5 10 15

Ser Pro Xaa Thr Xaa
 20

<210> 397
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals stop translation

<400> 397
 Met Gly Thr Arg Arg Lys Gly Val Ala Trp Leu Ser Leu Ala Pro Leu
 1 5 10 15

Ile Thr Gly Leu Ala Pro Ala His Ile Thr Ala Val Xaa
 20 25

<210> 398
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 398
 Met Lys Asp Leu Leu Gln Arg Asn Pro Trp Lys Asn Ser Leu Leu Leu
 1 5 10 15

Leu Gln Val Cys Gln Ala Phe Leu Val Cys Ser Leu Thr Gln Leu Ala
 20 25 30

Val Xaa

<210> 399
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 399
 Met Ser Glu Ser His Lys Ile Trp Trp Cys Tyr Arg His Leu Ala Phe
 1 5 10 15

Pro Leu Leu Thr Leu Ile Leu Tyr Pro Ala Thr Leu Gly Arg Ser Val
 20 25 30

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Xaa
 35 40 45

<210> 400
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 400
 Met Leu Asn Arg Ile Met Val Ala Ser Phe Gly Ala Val Leu Val Gln
 1 5 10 15

Val Cys Arg Gly Xaa Gly Gln Gly Xaa
 20 25

<210> 401
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 401
 Met Gln Leu Leu Leu Gly Leu Ile Arg Ser Gln Pro Ser Pro Pro
 1 5 10 15

Pro Ser Leu Cys Leu Met Leu Cys Pro Cys Leu Pro Cys Leu Arg Tyr
 20 25 30

Ser Pro Phe Val Pro Gln His Pro Cys Pro Leu Pro Leu Asp Leu Cys
 35 40 45

Leu Ala Gly Cys Ser Ser Leu Ser Val Gln Asp Lys Cys Ser Trp Pro
 50 55 60

Tyr Pro Ile Xaa
 65

<210> 402
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 402

Met Lys Asp Ser Leu Cys Arg Val Ser Phe Leu Lys Asn Gln Ile Phe
 1 5 10 15

Leu Ser Tyr Ile Thr Leu Val Leu Ile Gly His Ala His Phe Ser Gly
 20 25 30

Val Pro His Tyr Asn Val Ser Phe Val Leu Arg Ile Asn Leu Gln Lys
 35 40 45

His Leu Lys Ile Thr Thr Ser Asn Gly Ile Glu Ser Lys Lys Thr Gly
 50 55 60

Glu Arg Gly Glu Thr Met Phe Phe Arg Thr Arg Gly Ser Thr His Ala
 65 70 75 80

Ser Ala Asp Ala Trp
 85

<210> 403

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 403

Met Gly Gly Ser Leu Leu Pro Gln Val Ser Ala Ala Val Leu Xaa Leu
 1 5 10 15

Asp Gly Leu Leu Leu Pro Gly Leu Lys Gly Cys Gly Pro Leu Arg Val
 20 25 30

Ser Phe Pro Gln Ala Lys Phe Lys Ala Ala Ala Leu Cys Glu Ala Leu
 35 40 45

Leu Ala Leu Gly Trp Arg Glu Asn Phe Lys Leu Phe Cys Ser Gln Gly
 50 55 60

Arg Gly Met Gly Pro Gly Cys Arg Cys Pro His Ser Ala Asn Glu Ser
 65 70 75 80

Phe Val

<210> 404

<211> 286

<212> PRT

<213> Homo sapiens

<400> 404

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala

1	5	10	15
Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu	20	25	30
His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn	35	40	45
Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile	50	55	60
Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu	65	70	75
Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu	85	90	95
Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn	100	105	110
Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val	115	120	125
Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu	130	135	140
Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val	145	150	155
Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met	165	170	175
Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser	180	185	190
Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile	195	200	205
Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp	210	215	220
Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly	225	230	235
Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn	245	250	255
Ile Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys	260	265	270
Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met	275	280	285

210> 405

211> 154

212> PRT

213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

<400> 405
 Met Thr Lys Ala Arg Leu Phe Arg Leu Trp Leu Val Leu Gly Ser Val
 1 5 10 15
 Phe Met Ile Leu Leu Ile Ile Val Tyr Trp Asp Ser Ala Gly Ala Ala
 20 25 30

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp
50 55 60

Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu Gln
245 250 255

Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala Lys Lys
260 265 270

Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe Pro Tyr Ala
275 280 285

Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val Leu Arg Thr Leu
290 295 300

Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val Arg Val Val Thr Leu
305 310 315 320

Leu Tyr Asp Leu Val Thr Glu Lys Met Phe Ala Glu Glu Glu Ala Glu
325 330 335

Leu Thr Gln Glu Met Ser Pro Glu Lys Leu Gln Gln Tyr Arg Gln Val
340 345 350

His Leu Leu Pro Gly Leu Trp Glu Gln Gly Trp Cys Glu Ile Thr Ala
355 360 365

His Leu Leu Ala Leu Pro Glu His Asp Ala Arg Glu Lys Val Leu Gln
370 375 380

Thr Leu Gly Val Leu Leu Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp
385 390 395 400

Pro Gln Leu Gly Arg Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val
405 410 415

Leu Ala Ser Leu Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln
420 425 430

Glu Leu Leu Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg Xaa
435 440 445

<210> 409

<211> 64

<212> PRT

<213> Homo sapiens

<400> 409

Met Leu Tyr Ser Asp Leu Lys Leu Val Arg Cys His Asn Gly Pro Val
1 5 10 15

His Val Ile Ser Val Tyr Thr Thr Pro Pro Asp Pro Ser Asn Pro Tyr
20 25 30

Asn Thr Pro Pro Leu Phe Ala Ser Cys Met Val Ile Ser Tyr Val Thr
35 40 45

Phe Thr Pro Val Ser Ala Asp Cys Phe Phe Asn Val Leu Val Cys Phe
50 55 60

<210> 410
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 410
 Glu Leu Leu Phe Leu Leu Ile Ile Ile Leu Gly Glu Ser Leu Ser Asp
 1 5 10 15
 Val Ile Leu Leu Ile Cys Phe Xaa
 20

<210> 411
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 411
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
 1 5 10 15
 Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
 20 25 30

Ala Ala Xaa
 35

<210> 412
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 412
 Met Gly Lys Val Gly Trp Leu Met Val Gly Gly Val Ala Pro Gly Ile
 1 5 10 15
 Arg Gly Gly Trp Gly Trp Thr Leu Gly Ile Met Val Gly Gly Ala Ile
 20 25 30

Ala His Cys Cys Cys Cys Leu Ile Arg
 35 40

<210> 413
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 413
 Met Lys Leu Ser Leu Leu Ile Leu Thr Leu Met Gln Arg Tyr Phe Arg
 1 5 10 15
 Thr Ile Thr Asn Ser Leu Cys Lys Xaa
 20 25

<210> 414
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals stop translation

<400> 414
 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu Arg Arg
 20 25 30
 Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala Leu Pro Gly
 35 40 45
 Ala Gly Ile Pro Phe Trp Ser His His Gly Gly Glu Gly Gln Gly Trp
 50 55 60
 Gly Pro Leu Cys Pro Gly Ser Leu Lys Val Leu Glu Gly Leu Xaa
 65 70 75

<210> 415
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 415

Met His Tyr Leu Leu Lys Glu Cys Asp Ile Asp Thr Asp Ala Tyr Phe
 1 5 10 15

Phe Phe Phe Xaa Leu Leu Val Leu Phe Leu Pro Xaa Lys Tyr Ser Pro
 20 25 30

Pro Phe Tyr Ser Ile Val Leu Phe Arg Trp Asn Asp Ser Tyr Lys Ile
 35 40 45

Ser His Tyr
 50

<210> 416

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 416

Met Ala Ala Leu Thr Ser His Leu Gln Asn Gln Ser Asn Asn Ser Asn
 1 5 10 15

Trp Asn Leu Arg Thr Arg Ser Lys Cys Lys Lys Asp Val Phe Met Pro
 20 25 30

Pro Ser Ser Ser Ser Glu Leu Gln Glu Ser Arg Gly Leu Ser Asn Phe
 35 40 45

Thr Ser Thr His Leu Leu Leu Lys Glu Asp Glu Gly Val Asp Asp Val
 50 55 60

Asn Phe Arg Lys Val Arg Lys Pro Lys Gly Lys Val Thr Ile Leu Lys
 65 70 75 80

Gly Ile Pro Ile Lys Lys Thr Lys Lys Gly Cys Arg Lys Ser Cys Ser
 85 90 95

Gly Phe Val Xaa Ser Asp Ser Lys Arg Glu Ser Val Cys Asn Lys Ala
 100 105 110

Asp Ala Glu Ser Glu Pro Val Ala Gln Lys Ser Gln Leu Asp Arg Thr
 115 120 125

Val Cys Ile Ser Asp Ala Gly Ala Cys Gly Glu Thr Leu Ser Val Thr
 130 135 140

Ser Glu Glu Asn Ser Leu Val Lys Lys Lys Glu Arg Ser Leu Ser Ser
 145 150 155 160

Gly Ser Asn Phe Cys Ser Glu Gln Lys Thr Ser Gly Ile Ile Asn Lys
165 170 175

Phe Cys Ser Ala Lys Asp Ser Glu His Asn Glu Lys Tyr Glu Asp Thr
180 185 190

Phe Leu Glu Ser Glu Glu Ile Gly Thr Lys Val Glu Val Val Glu Arg
195 200 205

Lys Glu His Leu His Thr Asp Ile Leu Lys Arg Gly Ser Glu Met Asp
210 215 220

Asn Asn Cys Ser Pro Thr Arg Lys Asp Phe Thr Glu Asp Thr Ile Pro
225 230 235 240

Arg Asn Thr Asp Arg Lys Lys Glu Asn Lys Pro Val Phe Phe Gln Gln
245 250 255

Ile

<210> 417

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 417

Met Glu Lys Gln Cys Cys Ser His Pro Val Ile Cys Ser Leu Ser Thr
1 5 10 15

Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser
20 25 30

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
35 40 45

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
50 55 60

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
65 70 75 80

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
85 90 95

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
100 105 110

Ser Ser Gly Asp Gly Glu Glu Leu Glu Arg Leu Thr Lys Pro Lys Ser
405 410 415

Asp Glu Ser Asp Glu Asp Thr Phe
420

<210> 418
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals stop translation

<400> 418
Met Trp Gly Gln Gly Ser Gln Lys Ser His Phe Ser Asp Leu Val Phe
1 5 10 15
Gly Val Arg Glu Leu Cys Ala Gln Pro Ser Asp Pro Gly Ser Pro His
20 25 30

Xaa

<210> 419
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals stop translation

<400> 419
Met Val Gln His Ile Gln Pro Ala Ala Leu Ser Leu Leu Ala Gln Trp
1 5 10 15
Ser Thr Leu Val Gln Glu Leu Glu Ala Ala Leu Gln Leu Ala Phe Tyr
20 25 30
Pro Asp Ala Val Glu Glu Trp Leu Glu Glu Asn Val His Pro Ser Leu
35 40 45
Gln Arg Leu Gln Xaa Leu Leu Gln Asp Leu Ser Glu Val Ser Ala Pro
50 55 60
Pro Leu Pro Pro Thr Ser Pro Gly Arg Asp Val Ala Gln Asp Pro Xaa
65 70 75 80

<210> 420
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 420
 Met Leu Asn Gln Gly Tyr Ile Arg Lys Ile Ile Leu Ile Ile Ile Leu
 1 5 10 15
 Gly Ser Phe Ser Ser Pro Lys Lys Ala Ile Leu Met Gly Phe Gln Asn
 20 25 30
 Gln Lys Lys Ala Leu Asn Glu Glu Gln Thr Thr Gly Val Pro Met Ser
 35 40 45
 Ile Ser Gly Lys Leu Arg Pro Ser Arg Ser Leu Asp Phe Val Gln Pro
 50 55 60
 Pro Arg Phe Gln Ser Gln Gln Pro Ser Ala Val Val Asp Arg Arg Gly
 65 70 75 80
 Phe Xaa Xaa Lys Ala Ala Arg Gly Gln Glu Phe Ser Glu Ser Xaa
 85 90 95

<210> 421
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 421
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15
 Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
 20 25 30
 Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45
 Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr

50 55 60
 His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
 65 70 75 80
 Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
 85 90 95
 His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
 100 105 110
 Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro
 115 120 125
 Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp
 130 135 140
 Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Asp Thr
 145 150 155 160
 Leu Glu Glu Asn Arg Gly Tyr Met Glu Ile Glu Gln Ser Val Lys Ser
 165 170 175
 Phe Lys Met Pro Ser Ser Asn Ile Glu Glu Glu Asp Ser His Phe Phe
 180 185 190
 Phe His Leu Ile Ile Phe Ala Phe Cys Ile Ala Val Val Tyr Ile Thr
 195 200 205
 Tyr His Asn Lys Arg Lys Ile Phe Leu Leu Val Gln Ser Arg Lys Trp
 210 215 220
 Arg Asp Gly Leu Cys Ser Lys Thr Val Glu Tyr His Arg Leu Asp Gln
 225 230 235 240
 Asn Val Asn Glu Ala Met Pro Ser Leu Lys Ile Thr Asn Asp Tyr Ile
 245 250 255
 Phe

<210> 422
 <211> 704
 <212> PRT
 <213> Homo sapiens

<400> 422
 Met Trp Tyr Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro
 1 5 10 15
 Thr Val Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe
 20 25 30
 Leu Ala Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn
 35 40 45
 Pro Tyr Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile

50					55					60					
Lys	Lys	Gln	Tyr	Arg	Leu	Leu	Ser	Leu	Lys	Tyr	His	Pro	Asp	Lys	Gly
65					70					75					80
Gly	Asp	Glu	Val	Met	Phe	Met	Arg	Ile	Ala	Lys	Ala	Tyr	Ala	Ala	Leu
				85					90					95	
Thr	Asp	Glu	Glu	Ser	Arg	Lys	Asn	Trp	Glu	Glu	Phe	Gly	Asn	Pro	Asp
			100					105					110		
Gly	Pro	Gln	Ala	Thr	Ser	Phe	Gly	Ile	Ala	Leu	Pro	Ala	Trp	Ile	Val
		115					120					125			
Asp	Gln	Lys	Asn	Ser	Ile	Leu	Val	Leu	Leu	Val	Tyr	Gly	Leu	Ala	Phe
		130					135					140			
Met	Val	Ile	Leu	Pro	Val	Val	Val	Gly	Ser	Trp	Trp	Tyr	Arg	Ser	Ile
145				150					155					160	
Arg	Tyr	Ser	Gly	Asp	Gln	Ile	Leu	Ile	Arg	Thr	Thr	Gln	Ile	Tyr	Thr
			165					170						175	
Tyr	Phe	Val	Tyr	Lys	Thr	Arg	Asn	Met	Asp	Met	Lys	Arg	Leu	Ile	Met
			180					185					190		
Val	Leu	Ala	Gly	Ala	Ser	Glu	Phe	Asp	Pro	Gln	Tyr	Asn	Lys	Asp	Ala
		195					200					205			
Thr	Ser	Arg	Pro	Thr	Asp	Asn	Ile	Leu	Ile	Pro	Gln	Leu	Ile	Arg	Glu
		210					215					220			
Ile	Gly	Ser	Ile	Asn	Leu	Lys	Lys	Asn	Glu	Pro	Pro	Leu	Thr	Cys	Pro
225				230					235					240	
Tyr	Ser	Leu	Lys	Ala	Arg	Val	Leu	Leu	Leu	Ser	His	Leu	Ala	Arg	Met
			245					250					255		
Lys	Ile	Pro	Glu	Thr	Leu	Glu	Glu	Asp	Gln	Gln	Phe	Met	Leu	Lys	Lys
			260					265					270		
Cys	Pro	Ala	Leu	Leu	Gln	Glu	Met	Val	Asn	Val	Ile	Cys	Gln	Leu	Ile
		275					280					285			
Val	Met	Ala	Arg	Asn	Arg	Glu	Glu	Arg	Glu	Phe	Arg	Ala	Pro	Thr	Leu
		290					295					300			
Ala	Ser	Leu	Glu	Asn	Cys	Met	Lys	Leu	Ser	Gln	Met	Ala	Val	Gln	Gly
305				310					315					320	
Leu	Gln	Gln	Phe	Lys	Ser	Pro	Leu	Leu	Gln	Leu	Pro	His	Ile	Glu	Glu
			325						330					335	
Asp	Asn	Leu	Arg	Arg	Val	Ser	Asn	His	Lys	Lys	Tyr	Lys	Ile	Lys	Thr
			340					345					350		
Ile	Gln	Asp	Leu	Val	Ser	Leu	Lys	Glu	Ser	Asp	Arg	His	Thr	Leu	Leu
		355					360						365		

His Phe Leu Glu Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly
 370 375 380
 Ser Phe Pro Tyr Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp
 385 390 395 400
 Glu Asp Ser Asn Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val
 405 410 415
 Lys Leu Thr Arg Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser
 420 425 430
 Ile Cys Ala Ala Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr
 435 440 445
 Asn Lys Asn Arg Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro
 450 455 460
 Lys Lys Thr Ala Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro
 465 470 475 480
 Thr Pro Val Leu Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala
 485 490 495
 Asn Gly Val Val Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu
 500 505 510
 Val Ser Asp Lys Gly Ser Asp Ser Glu Glu Glu Thr Asn Arg Asp
 515 520 525
 Ser Gln Ser Glu Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu
 530 535 540
 Gln Asp Glu Lys Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu
 545 550 555 560
 Gln Gln Ser Ile Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser
 565 570 575
 Lys Ile Thr His Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln
 580 585 590
 Glu Trp Trp Trp Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile
 595 600 605
 Ser Met Pro Tyr His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu
 610 615 620
 Leu Lys Phe Pro Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val
 625 630 635 640
 Phe Leu Arg Ser Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu
 645 650 655
 Lys Leu Glu Val His Glu Ala Lys Pro Val Pro Glu Asn His Pro Gln
 660 665 670

6004866-26704
 6004866-26704

Trp Asp Thr Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly
575 580 585

Phe Glu Asp Ser Phe Glu Glu Glu Glu Glu Glu Asp Asp Asp
690 695 700

<210> 423

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser
1 5 10 15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Leu Gly Pro Pro Asp Pro
35 40 45

Arg Pro Arg Thr Leu Pro Pro Leu Pro Pro Gly Pro Thr Pro Ala Gln
50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Pro Arg Gly Ser Glu
65 70 75 80

Gly Gly Asn Gly Ser Asn Pro Val Ala Gly Leu Glu Thr Asp Asp His
85 90 95

Gly Gly Lys Ala Gly Glu Gly Ser Val Gly Gly Gly Leu Ala Val Ser
100 105 110

Pro Asn Pro Gly Asp Lys Pro Met Thr Gln Arg Ala Leu Thr Val Leu
115 120 125

Met Val Val Ser Gly Ala Val Leu Val Tyr Phe Val Val Arg Thr Val
130 135 140

Arg Met Arg Arg Arg Arg Lys Thr Arg Arg Tyr Gly Val Leu Asp
145 150 155 160

Thr Asn Ile Glu Asn Met Glu Leu Thr Pro Leu Glu Gln Asp Asp Glu
165 170 175

Asp Asp Asp Asn Thr Leu Phe Asp Ala Asn His Pro Arg Arg
 180 185 190

<210> 424
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals stop translation

<400> 424
 Met Ser Pro Ser Gly Arg Leu Cys Leu Leu Thr Ile Val Gly Leu Ile
 1 5 10 15
 Leu Pro Thr Arg Gly Gln Thr Leu Lys Asp Thr Thr Ser Ser Ser Ser
 20 25 30
 Ala Asp Ser Thr Ile Met Asp Ile Gln Val Pro Thr Arg Ala Pro Asp
 35 40 45
 Ala Val Tyr Thr Glu Leu Gln Pro Thr Ser Pro Thr Pro Thr Trp Pro
 50 55 60
 Ala Asp Glu Thr Pro Gln Pro Gln Thr Gln Thr Gln Gln Leu Glu Gly
 65 70 75 80
 Thr Asp Gly Pro Leu Val Thr Asp Pro Glu Thr His Lys Ser Thr Lys
 85 90 95
 Ala Ala His Pro Thr Asp Asp Thr Thr Thr Leu Ser Glu Arg Pro Ser
 100 105 110
 Pro Ser Thr Asp Val Gln Thr Asp Pro Gln Thr Leu Lys Pro Ser Gly
 115 120 125
 Phe His Glu Asp Asp Pro Phe Phe Tyr Asp Glu His Thr Leu Arg Lys
 130 135 140
 Arg Gly Leu Leu Val Ala Ala Val Leu Phe Ile Thr Gly Ile Ile Ile
 145 150 155 160
 Leu Thr Ser Gly Lys Cys Arg Gln Leu Ser Arg Leu Cys Arg Asn His
 165 170 175
 Cys Arg Xaa

<210> 425
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 425

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Leu Asp Phe Thr
 1 5 10 15

Trp Glu Ser Lys Val Gln Phe His Lys Ala Ser Val Tyr Leu Ser Leu
 20 25 30

Ser Ile Tyr Ile Asp Cys His Ala
 35 40

<210> 426

<211> 232

<212> PRT

<213> Homo sapiens

<400> 426

Met Leu Ala Gly Lys Leu Ile Pro Val His Gln Val Arg Gly Leu Lys
 1 5 10 15

Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser Phe Leu
 20 25 30

Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met Lys Thr
 35 40 45

Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala Ala Ser
 50 55 60

Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly Asp Gly
 65 70 75 80

Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn Arg Phe
 85 90 95

Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser Arg Asn
 100 105 110

Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn Ile Tyr
 115 120 125

Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile Lys Ala
 130 135 140

Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn Pro Thr
 145 150 155 160

Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala Val Arg
 165 170 175

Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro Val Ile
 180 185 190

Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser Pro Arg
 195 200 205

Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu Met Tyr
 210 215 220

Arg Leu His His Tyr Ser Asp Phe
225 230

<210> 427

<211> 250

<212> PRT

<213> Homo sapiens

<400> 427

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
245 250

<210> 428
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 428
 Met Trp Thr Lys Asn Asp Lys Leu Lys Lys Phe Phe Phe Leu Arg Tyr
 1 5 10 15
 Leu Gln Asn Met Val Tyr Phe Tyr Val Glu Lys Lys Ser Tyr Glu Gly
 20 25 30
 Ser Cys Tyr Phe Lys Arg Lys Phe Ile Lys Ser Pro Arg Gly Met Lys
 35 40 45
 Met Thr Ala Cys Phe Ser Ile Ile Leu Ala
 50 55

<210> 429
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (219)
 <223> Xaa equals stop translation

<400> 429
 Met Ala Val Val Leu Leu Ala Asn Leu Ala Gln Gly Asp Ser Leu Ala
 1 5 10 15
 Ala Arg Ala Ile Ala Val Gln Lys Gly Ser Ile Gly Asn Leu Leu Gly
 20 25 30
 Phe Leu Glu Asp Ser Leu Ala Ala Thr Gln Phe Gln Gln Ser Gln Ala
 35 40 45
 Ser Leu Leu His Met Gln Asn Pro Pro Phe Glu Pro Xaa Ser Val Asp
 50 55 60

Met Met Arg Arg Ala Ala Arg Ala Leu Leu Ala Leu Ala Lys Val Asp
65 70 75 80

Glu Asn His Ser Glu Phe Thr Leu Tyr Glu Ser Arg Leu Leu Asp Ile
85 90 95

Ser Val Ser Pro Leu Met Asn Ser Xaa Val Ser Gln Val Ile Cys Asp
100 105 110

Val Leu Phe Leu Xaa Trp Pro Val Met Thr Ala Val Gly His Leu Pro
115 120 125

Pro Pro Cys Val Cys Ala Cys Val Glu Asn Leu Glu Thr Asp Cys Cys
130 135 140

Pro Leu Phe Met Gln Asn His Leu Arg Ile Gln Phe Thr Leu Cys Cys
145 150 155 160

Pro Ala Ser Pro Leu Gly Lys Ser Leu Ser Cys Phe Ser Leu Leu Leu
165 170 175

Pro Pro Pro Leu Pro Pro Ser Pro His Ala Phe Leu Phe Leu Val Leu
180 185 190

Thr Leu Leu Pro Ser Gly Pro Tyr Pro Thr Leu Phe Glu Lys Thr Lys
195 200 205

Leu Cys Leu His Arg Arg Leu Phe Leu Phe Xaa
210 215

<210> 430

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 430

Met Leu Pro Asp Glu Ser Phe Gly Leu Leu Ser Ile Pro Ser Leu
1 5 10 15

Thr Pro Ser Ala Ala Ala Pro Ser Phe Cys Val His Leu Met Gln Ala
20 25 30

Ser Arg Ser Ser Lys Arg Ala Ser His Val Pro Val His Leu Leu Trp
35 40 45

Gly Asp Xaa
50

<210> 431

<211> 50

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

 <400> 431
 Met Arg Pro Gly Ser Phe Ser Phe Ile Ala Phe Leu Ala Thr Glu Val
 1 5 10 15

 Ser Ser Cys Phe Pro Gly Arg Pro Asp Cys Xaa Thr Gly Met Trp Leu
 20 25 30

 Leu Gln Leu Gln Lys Lys Gln Arg Thr Leu Leu Ala Met Ala Pro Arg
 35 40 45

 Arg Xaa
 50

 <210> 432
 <211> 70
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

 <400> 432
 Asp Arg Pro Cys Pro Ser Ser Leu Trp Lys Val Phe Pro Leu Leu Leu
 1 5 10 15

 Leu Leu Met Arg Leu Phe Pro Leu Pro Val Pro Gly Asn Gln Arg Ala
 20 25 30

Xaa Leu Pro His Pro Phe Xaa Ala Pro Arg Leu Pro Cys Leu Leu Cys
35 40 45

Leu Cys Thr Gln Gln Phe Xaa Val Cys Ser His Tyr Leu Pro Ala Gly
50 55 60

Tyr Arg Val Asn Ser Xaa
65 70

<210> 433

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 433

Met His Glu Lys Ala Trp Asn Leu Ile Leu Leu Trp Trp Leu Ser Leu
1 5 10 15

Asp Leu Leu Gly Val Ala Lys Thr Ala Met Trp Ala Gln Trp Cys Gly
20 25 30

Leu Asn Asp His Lys Gly Lys Xaa
35 40

<210> 434

<211> 104

<212> PRT

<213> Homo sapiens

<400> 434

Met Ala Phe Val Leu Leu Phe Cys Phe Val Gly Leu Gln Ser Ser Arg
1 5 10 15

Ala Gly Pro Tyr Ser Glu Leu Val Leu Cys Gln Thr Pro Ala Ser Ala
20 25 30

Pro Asp Pro Val Ser Thr Leu Cys Val Leu Glu Glu Glu Pro Leu Asp
35 40 45

Ala Tyr Pro Asp Ser Pro Ser Ala Cys Leu Val Leu Asn Trp Glu Glu
50 55 60

Pro Cys Asn Asn Gly Ser Glu Ile Leu Ala Tyr Thr Ile Asp Leu Gly
65 70 75 80

Asp Thr Ser Ile Thr Val Gly Asn Thr Thr Met His Val Met Lys Asp
85 90 95

Leu Leu Pro Glu Thr Thr Tyr Arg
100

<210> 435
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 435
 Met Phe Ser Leu Leu Trp Leu Val Cys Val Pro Ser Asn Ser Ser Val
 1 5 10 15

Ala Asn Val Thr Ala Ser Arg Gly Gly Val Phe Lys Arg Ser Leu Gly
 20 25 30

His Glu Gly Phe Ser Xaa
 35

<210> 436
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 436
 Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala
 1 5 10 15

Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe
 20 25 30

Val Ser Xaa
 35

<210> 437
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 437
 Met Leu Leu Phe Leu Ser Ile Thr Asn Ser Leu Ser Phe Ile Ser Val
 1 5 10 15

Asp Lys Pro Phe Gly Gln Ser Glu Asp Val Cys Pro Val Ile Ser Xaa
 20 25 30

<210> 438
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals stop translation

<400> 438
 Met Glu Phe Leu Phe Asn Lys Thr Gly Trp Ala Phe Ala Ala Leu Cys
 1 5 10 15
 Phe Val Leu Ala Met Thr Ser Gly Gln Met Trp Asn His Ile Arg Gly
 20 25 30
 Pro Pro Tyr Ala His Lys Asn Pro His Thr Gly His Val Asn Tyr Ile
 35 40 45
 His Gly Ser Ser Gln Ala Gln Phe Val Ala Glu Thr His Ile Val Leu
 50 55 60
 Leu Phe Asn Gly Gly Val Thr Leu Gly Met Val Leu Leu Cys Glu Ala
 65 70 75 80
 Ala Thr Ser Asp Met Asp Ile Gly Lys Arg Lys Ile Met Cys Val Ala
 85 90 95
 Gly Ile Gly Leu Val Val Leu Phe Phe Ser Trp Met Leu Ser Ile Phe
 100 105 110
 Arg Ser Lys Tyr His Gly Tyr Pro Tyr Ser Phe Leu Met Ser Xaa
 115 120 125

<210> 439
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 439

Met Thr Trp His Ser Arg Glu Ser Phe Xaa Leu Leu Arg Val Val Ala
 1 5 10 15

Pro Ser Gln Ala Pro Gly Met Gln Val Ser Pro Ser Gln Arg Ala Trp
 20 25 30

Arg Arg Pro Leu His Arg Cys His Val Ala Ala Pro Arg Pro His His
 35 40 45

Phe Ala Phe Phe Arg Asn Pro Phe Ser Trp Ser Phe Ile Lys Leu Leu
 50 55 60

Tyr Arg Tyr Leu Xaa
 65

<210> 440

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 440

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Thr
 35 40 45

Trp Pro Thr Thr Arg Ser Leu Gly Arg Gln Asp Glu His Gln Asp Arg
 50 55 60

Val His Ile Leu Gly Gly Phe Pro Gln Leu His Gly His Ser Pro Tyr
 65 70 75 80

Gly Leu Pro Gly Arg Gly Glu Arg Tyr Val Gly Xaa
 85 90

<210> 441

<211> 380

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (380)

<223> Xaa equals stop translation

<400> 441

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
 1 5 10 15

Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
 20 25 30

Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
 35 40 45

Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
 50 55 60

Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
 65 70 75 80

Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
 85 90 95

Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
 100 105 110

Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
 115 120 125

His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
 130 135 140

Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
 145 150 155 160

Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
 165 170 175

Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
 180 185 190

Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
 195 200 205

Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
 210 215 220

Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
 225 230 235 240

Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
 245 250 255

Phe Tyr Pro Gly Lys Cys Ile Xaa Pro Pro Gly Leu Glu Gly Glu Gln
260 265 270

Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
275 280 285

Ile Gly Lys Ser Lys Cys Lys Xaa Ser Lys Gly Tyr Gln Gly Asp Leu
290 295 300

Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
305 310 315 320

His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
325 330 335

Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
340 345 350

Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu
355 360 365

Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp Xaa
370 375 380

<210> 442

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 442

Met Thr Ser Asn Leu Leu Leu Leu Thr Leu Leu Leu Lys Asp Thr Leu
1 5 10 15

Xaa Leu Ala Lys Xaa Asn Xaa Xaa
20

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<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 443
Met Arg His His Thr Gln Leu Asn Phe Ile Phe Leu Val Glu Met Val
  1              5              10              15

Phe Leu His Val Gly Gln Ala Gly Leu Lys Leu Pro Thr Ser Gly Asp
  20              25              30

Xaa Ala Cys Phe Gly Leu Pro Lys Val Leu Gly Leu Gln Ala Xaa
  35              40              45

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4400> 444
Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn
  1          5          10          15
Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp
          20          25          30
Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His
          35          40          45
Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile
          50          55          60
Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
          65          70          75          80
Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
          85          90          95
Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
          100          105          110
Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
          115          120          125
Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
          130          135          140

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Glu Thr His His Tyr Val Asp Cys Gly Gly Asn Ser Thr Ala Ile Xaa
130 135 140

<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15
 Tyr Pro Ser Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30
 Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30
 Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals stop translation

 <400> 448
 Met Met Ala Ala Met Val Leu Thr Ser Leu Ser Cys Ser Pro Val Val
 1 5 10 15
 Gln Ser Pro Pro Gly Thr Glu Ala Asn Phe Ser Ala Ser Arg Ala Ala
 20 25 30
 Cys Asp Pro Trp Lys Glu Ser Gly Asp Ile Ser Asp Ser Gly Xaa Ser
 35 40 45
 Thr Thr Ser Gly His Trp Ser Gly Ser Ser Gly Val Ser Thr Pro Ser
 50 55 60
 Pro Pro His Pro Gln Ala Ser Pro Lys Tyr Leu Gly Asp Ala Phe Gly
 65 70 75 80
 Ser Pro Gln Thr Asp His Gly Phe Glu Thr Asp Pro Asp Pro Phe Leu
 85 90 95
 Leu Asp Glu Pro Ala Pro Arg Lys Arg Lys Asn Ser Val Lys Val Met
 100 105 110
 Tyr Lys Cys Leu Trp Pro Asn Cys Gly Lys Val Leu Arg Ser Ile Val
 115 120 125
 Gly Ile Lys Arg His Val Lys Ala Leu His Leu Gly Asp Thr Val Asp
 130 135 140
 Ser Asp Gln Phe Lys Arg Glu Glu Asp Phe Tyr Tyr Thr Glu Val Gln
 145 150 155 160
 Leu Lys Glu Glu Ser Ala Ala Ala Ala Ala Ala Ala Asp Pro
 165 170 175
 Gln Ser Leu Gly Leu Pro Pro Pro Ser Gln Leu Pro Pro Pro Ala Xaa
 180 185 190

<210> 449
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 449
 Met Ser Thr Asn Tyr Leu Thr Asp Val Cys Ser Leu Phe Ser Tyr Leu

1	5	10	15
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Asn Tyr Leu Tyr Phe His His His Leu Pro Val Pro Asn Thr Xaa
 20 25 30

<210> 450
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals stop translation

<400> 450
 Met Gly Phe Phe Phe Val Leu Phe Phe Leu Tyr Leu Ala Leu Ser Arg
 1 5 10 15

Asp Trp Ser Ile Asn Phe Leu Lys Asp His Arg Ile Asn Phe Phe Val
 20 25 30

Ala Thr Ser Tyr Phe Ser Val Tyr Val Arg Gly Xaa Pro Xaa Val Pro
 35 40 45

Ala Asp Thr Pro Leu Gly Pro Leu Leu Ser Leu Trp Leu His His Asn
 50 55 60

Ala Phe Phe Ser Ile Leu Pro Lys Phe Pro Glu Asn Xaa Xaa Phe Leu
 65 70 75 80

Ile Leu Lys Lys Leu Val Val Glu Met Gly Trp Asp Leu Phe Ile Ser
 85 90 95

Pro Glu Asn Lys Xaa
 100

<210> 451
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 451
 Met Ala Arg Tyr Phe Ile Phe Phe Ile Leu Val Phe Met Lys Val Ser
 1 5 10 15

Leu Asn Thr Thr Trp Pro Ala Pro Arg Pro Ala Thr Leu Arg Thr Ala
 20 25 30

Asn Lys Ser Lys Xaa
 35

<210> 452
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 452
 Phe Ser Thr Ile Arg Ser Gly Leu Thr Asp Arg Ser Val Asn Phe Leu
 1 5 10 15

Phe Leu Phe Leu Asp Val Pro Asp Cys Arg Leu Val Asn Ile Glu Leu
 20 25 30

Met Ala Asn Ser Thr Val Thr His Ala Xaa
 35 40

<210> 453
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 453
 Met Ser Glu Trp Glu Leu Ser Ser Lys Phe Ser Gln Thr Gln Arg Gln
 1 5 10 15

His Cys Leu Leu Leu Asn Asp Tyr Ser Phe Leu Pro Val Phe Trp Tyr
 20 25 30

Phe Leu Gly Ile Leu Leu Thr Thr Ala Ile Thr Leu Phe Tyr Phe His
 35 40 45

<210> 454
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 454
 Met Pro Trp Arg Arg Ala Gly Leu Met Met Leu Pro Ile Ile Thr Gly
 1 5 10 15
 Cys Cys Pro Cys Ser Ala Ser Ile Xaa
 20 25

<210> 455
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 455
 Met Tyr Leu Cys Lys Thr Val Lys Val Leu Ile Cys Tyr Asp Trp Ile
 1 5 10 15
 Leu Gly Leu Val Ser Ser Gly Gln His Trp Val Val Ser Leu Ser Tyr
 20 25 30
 Ser Ile Arg Val Tyr Pro Ala Met His Phe Thr Leu Cys Val His Ile
 35 40 45
 Tyr Ser Lys Glu Pro Cys
 50

<210> 456
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 456
 Met Thr Ala Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys
 1 5 10 15
 Pro Ile Leu Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His
 20 25 30

Ser Phe Ile His Ser Ser Asn Ile Cys Xaa
35 40

<210> 457

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 457

Met Phe Leu Thr Thr Trp Phe Leu Leu Ser Val Ala Trp Xaa Ala
1 5 10 15

Leu Thr Arg Ser Gly Arg Ser Cys Leu Pro Leu Val Gly Arg Pro Arg
20 25 30

Glu Gln Ser Pro Arg Thr His Cys Ala Ala Ser Ser Thr Lys Glu Arg
35 40 45

Asn Ser Asp Pro Gln Pro Ser Pro Pro Glu Val Val Gly Pro Leu Trp
50 55 60

Ser Xaa
65

<210> 458

<211> 156

<212> PRT

<213> Homo sapiens

<400> 458

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn

85

90

95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
145 150 155

<210> 459

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 459

Met Asn Asp Asn Ser Pro Asn His Ser Ser Ser Tyr Leu Pro Leu Pro
1 5 10 15

Leu Thr Ile Val Ile Leu Gln Thr Gly His Lys Gly Thr Leu Xaa
20 25 30

<210> 460

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 460

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
35 40 45

Gly Asp Leu Leu Lys Cys Pro Leu Xaa
50 55

<210> 461

<211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (416)
 <223> Xaa equals stop translation

<400> 461

Met	Arg	Thr	Leu	Phe	Asn	Leu	Leu	Trp	Leu	Ala	Leu	Ala	Cys	Ser	Pro
1				5					10					15	
Val	His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	Lys	Lys	Ala	Ala	Ser	Lys
			20					25						30	
Thr	Leu	Leu	Glu	Lys	Ser	Gln	Phe	Ser	Asp	Lys	Pro	Val	Gln	Asp	Arg
			35				40					45			
Gly	Leu	Val	Val	Thr	Asp	Leu	Lys	Ala	Glu	Ser	Val	Val	Leu	Glu	His
	50				55						60				
Arg	Ser	Tyr	Cys	Ser	Ala	Lys	Ala	Arg	Asp	Arg	His	Phe	Ala	Gly	Asp
65				70					75					80	
Val	Leu	Gly	Tyr	Val	Thr	Pro	Trp	Asn	Ser	His	Gly	Tyr	Asp	Val	Thr
			85					90						95	
Lys	Val	Phe	Gly	Ser	Lys	Phe	Thr	Gln	Ile	Ser	Pro	Val	Trp	Leu	Gln
			100					105						110	
Leu	Lys	Arg	Arg	Gly	Arg	Glu	Met	Phe	Glu	Val	Thr	Gly	Leu	His	Asp
		115				120						125			
Val	Asp	Gln	Gly	Trp	Met	Arg	Ala	Val	Arg	Lys	His	Ala	Lys	Gly	Leu
	130				135						140				
His	Ile	Val	Pro	Arg	Leu	Leu	Phe	Glu	Asp	Trp	Thr	Tyr	Asp	Asp	Phe
145				150					155					160	
Arg	Asn	Val	Leu	Asp	Ser	Glu	Asp	Glu	Ile	Glu	Glu	Leu	Ser	Lys	Thr
			165					170						175	
Val	Val	Gln	Val	Ala	Lys	Asn	Gln	His	Phe	Asp	Gly	Phe	Val	Val	Glu
			180					185					190		
Val	Trp	Asn	Gln	Leu	Leu	Ser	Gln	Lys	Arg	Val	Gly	Leu	Ile	His	Met
		195				200						205			
Leu	Thr	His	Leu	Ala	Glu	Ala	Leu	His	Gln	Ala	Arg	Leu	Leu	Ala	Leu
	210				215						220				
Leu	Val	Ile	Pro	Pro	Ala	Ile	Thr	Pro	Gly	Thr	Asp	Gln	Leu	Gly	Met

10/22/90 10:22:00

225 230 235 240
 Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe
 245 250 255
 Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn
 260 265 270
 Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys
 275 280 285
 Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly Met
 290 295 300
 Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala Arg
 305 310 315 320
 Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp Ser
 325 330 335
 Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly Arg
 340 345 350
 His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu Glu
 355 360 365
 Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Ala Arg
 370 375 380
 Ala Trp Thr Thr Ser Thr Thr Cys Ser Arg Trp Ala Leu Arg Pro Pro
 385 390 395 400
 Arg Trp Thr Cys Ser Phe Leu Ser His Gly Val Ser Glu Gln Val Xaa
 405 410 415

<210> 462

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462

Met Ala Pro Gly Pro Leu Ser Ala Thr Gln Ala Val Val Ile His Thr
 1 5 10 15

Thr His Cys Leu Gln Leu Pro Val Trp Cys Leu Ser Leu Val Ser Glu
 20 25 30

Leu Leu Gly Arg Ala Pro Pro His Asn Lys Asp Ala Leu Arg Pro Ser
 35 40 45

Lys Lys Lys Lys Lys Lys Leu Xaa Gly Gly Pro Val Pro Ile Pro Pro
 50 55 60

<210> 463

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals stop translation

<400> 463

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Ala Ala Val Arg Ser Xaa
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Xaa Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Asn Leu Leu Gly Gly Trp
180 185 190

Lys Tyr Ser Ser Phe Ser Gly Phe Leu Ile Phe Pro Leu Xaa
195 200 205

<210> 464

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 464

Met Gln Arg Lys Val Ser Asp Phe Ile Ile His Gln Arg Leu Thr Val
1 5 10 15

Asn Leu Cys Val Ile Ser Phe Phe Phe Phe Leu Pro Ile Cys Ile Phe
20 25 30

Ser Leu Ala Lys Lys Xaa
35

<210> 465

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals stop translation

<400> 465

Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu Ser Leu
1 5 10 15

Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala Ser Thr
20 25 30

Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu Phe Val
35 40 45

Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe Gly Lys
50 55 60

Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu Leu Leu
65 70 75 80

Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr Thr Cys
 85 90 95

Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile Ser Ser
 100 105 110

Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys Val Thr
 115 120 125

Gly Lys Ser Lys Lys Arg Asn Xaa
 130 135

<210> 466
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 466
 Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
 1 5 10 15

Xaa Xaa Phe Ser Ile Thr Ser Glu Xaa Glu Thr Phe Tyr Met Ile Ile
 20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
 35 40 45

Leu Xaa
 50

<210> 467
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 467
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Xaa Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Leu Ser Val Pro
 35 40 45
 Xaa Leu Ser Cys Ala Ser His Pro Tyr Cys Asn Cys Pro Met Ser Thr
 50 55 60
 Ser Cys Pro Leu Pro Arg Xaa
 65 70

<210> 468
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 468
 Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro Pro
 1 5 10 15
 Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys
 20 25 30
 Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val
 35 40 45
 Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys Xaa
 50 55

<210> 469
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met Phe Ser Arg Thr Ser Asn Phe Trp Thr Phe Phe Phe Gln Phe Leu
1 5 10 15

Ile Phe Lys Val Phe Leu Val Leu Lys Asn Xaa Phe Thr Ser Gln Lys
20 25 30

Ile Xaa Xaa Ile Xaa Xaa Glu Lys Pro Lys Lys Lys Lys Xaa Arg Gly
35 40 45

Gly Arg Ala Pro Ser Pro Gln Gly Gly Pro Xaa
50 55

<210> 470

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

 <400> 470
 Met Ser Ser Leu Leu Ser Ala Gly Leu Gln Ala Ser Leu Cys Gly Lys
 1 5 10 15

 Xaa Leu Trp Ala Ser Thr Trp Tyr Leu Val Cys Cys Leu Leu Pro Phe
 20 25 30

 Phe His Gln Gly Cys Cys Asp His Lys Ser Lys Gln Gln Tyr Ile Pro
 35 40 45

 Asn Leu Lys Ser Tyr Cys Gly Leu Ser Thr Ile Glu Ile Xaa
 50 55 60

 <210> 471
 <211> 316
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (302)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (316)
 <223> Xaa equals stop translation

 <400> 471
 Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
 1 5 10 15

 Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
 20 25 30

 Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
 35 40 45

 His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp

50	55	60
Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn		
65	70	75 80
Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser		
85	90	95
Pro Trp Phe Gln Phe Met Xaa Phe Ile Leu Gln Leu Asp Ile Ala Phe		
100	105	110
Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val		
115	120	125
Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala		
130	135	140
His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys		
145	150	155 160
Thr Pro Glu His Gly Gly Pro Val Thr Met Asn Val Met Ser Phe Leu		
165	170	175
Ser Trp Lys Leu Gly Leu Trp Pro Met Lys Phe Tyr Leu Leu Asn Ile		
180	185	190
Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu		
195	200	205
Ile Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr		
210	215	220
Lys Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile		
225	230	235 240
Ile Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro		
245	250	255
Val Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe		
260	265	270
Ile Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp		
275	280	285
Met Leu Leu Phe Gly Asp Ile Arg Gln Ala Ser Ser Met Xaa Cys Phe		
290	295	300
Xaa Pro Ser Gly Ser Ser Ser Val Ala Ser Thr Xaa		
305	310	315

<210> 472

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 472

Met Leu Ala Leu Leu Gly Leu Leu Ala Gly Thr Glu His Pro Pro Gly
1 5 10 15

Pro Gln Gly Pro Gly Pro Ser Xaa
20

<210> 473

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 473

Met Pro Ser Gly Ala Cys Cys Ser Pro Xaa
1 5 10

<210> 474

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 474

Tyr Val Met Ile Phe Lys Lys Glu Phe Ala Pro Ser Asp Glu Glu Leu
1 5 10 15

Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp Pro Gln Lys Ala Glu Glu
20 25 30

Lys Arg Asn Xaa Lys Glu Leu Ala Gln Arg Gln Xaa Gly Gly Gly Ser
35 40 45

Pro Ala Gly Ala Cys Gly Gly Glu Pro Cys Gln Arg Leu Gln Gly Gln
50 55 60

Val Gln Pro Pro His Arg Gln Gly Ser Ser Gln Arg Arg Ser Pro His
65 70 75 80

Ala Thr Gly Gln Xaa
85

<210> 475
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals stop translation

<400> 475
Met Leu Pro Ala Leu Ser Thr Val Leu Leu Pro Thr Pro Ser Leu Cys
1 5 10 15

Ser Gly Asn Pro Arg Glu Gly Trp Ala Xaa
20 25

<210> 476
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals stop translation

<400> 476
Lys Glu Phe Phe Val Phe Leu Phe Val Cys Leu Phe Trp Leu Leu Ser
1 5 10 15

Asn Thr Pro Leu Thr Phe Ile Ser Ile Ile Leu Gln Arg Lys Glu Thr
20 25 30

Asn Xaa

<210> 477
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (172)
 <223> Xaa equals stop translation

<400> 477

Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val Ile Cys Tyr
 1 5 10 15

Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu Pro Trp Ala
 20 25 30

Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val Tyr Ser Gly
 35 40 45

Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met Gly Leu Thr
 50 55 60

Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser Thr Phe Pro
 65 70 75 80

Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile Leu Val Phe
 85 90 95

Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp Lys Arg Pro
 100 105 110

Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly Thr Glu Gln
 115 120 125

Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn Met Asp Lys
 130 135 140

Ser Asp Ser Glu Leu Asn Xaa Glu Val Ala Ala Arg Lys Arg Asn Leu
 145 150 155 160

Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met Xaa
 165 170

<210> 478
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

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<400> 478
Met Cys Ile His Val Phe Met Xaa Val Leu Trp Val Leu Phe Leu Leu
  1                      5                      10                      15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Xaa Asn Cys Phe Ser Val
      20                      25                      30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
      35                      40                      45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp Xaa
      50                      55                      60

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<210> 479
<211> 3
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals stop translation

<400> 479
Gly Arg Xaa
  1

<210> 480
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals stop translation

<400> 480
Met Phe His Val Leu Met Ala Gln Val Thr Xaa Val Ile Ile Thr Thr
  1                      5                      10                      15

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Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu
 20 25 30

Glu Ala Xaa Ser Val Xaa Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys
 35 40 45

Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu
 50 55 60

Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu
 65 70 75 80

Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe Xaa
 85 90 95

<210> 481

<211> 171

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals stop translation

<400> 481

Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15

Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
 20 25 30

Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45

Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr
 50 55 60

His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
 65 70 75 80

Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
 85 90 95

His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
 100 105 110

Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro

115 120 125

Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp
130 135 140

Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Xaa His
145 150 155 160

Leu Gly Arg Lys Gln Gly Leu His Gly Asn Xaa
165 170

<210> 482
<211> 623
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (575)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 482
Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu Thr Asp Glu Glu
1 5 10 15

Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp Gly Pro Gln Ala
20 25 30

Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val Asp Gln Lys Asn
35 40 45

Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe Met Val Ile Leu
50 55 60

Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile Arg Tyr Ser Gly
65 70 75 80

Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr Tyr Phe Val Tyr
85 90 95

Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met Val Leu Xaa Gly
100 105 110

Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala Thr Ser Arg Pro
115 120 125

Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu Ile Gly Ser Ile
130 135 140

Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro Tyr Ser Leu Lys
145 150 155 160

Ala Arg Val Leu Leu Ser His Leu Ala Arg Met Lys Ile Pro Glu
 165 170 175
 Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys Cys Pro Ala Leu
 180 185 190
 Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile Val Met Ala Arg
 195 200 205
 Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu Ala Ser Leu Glu
 210 215 220
 Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly Leu Gln Gln Phe
 225 230 235 240
 Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu Asp Asn Leu Arg
 245 250 255
 Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr Ile Gln Asp Leu
 260 265 270
 Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu His Phe Leu Glu
 275 280 285
 Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly Ser Phe Pro Tyr
 290 295 300
 Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp Glu Asp Ser Asn
 305 310 315 320
 Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val Lys Leu Thr Arg
 325 330 335
 Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala
 340 345 350
 Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg
 355 360 365
 Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala
 370 375 380
 Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro Thr Pro Val Leu
 385 390 395 400
 Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala Asn Gly Val Val
 405 410 415
 Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu Val Ser Asp Lys
 420 425 430
 Gly Ser Asp Ser Glu Glu Glu Thr Asn Arg Asp Ser Gln Ser Glu
 435 440 445
 Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu Gln Asp Glu Lys
 450 455 460
 Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu Gln Gln Ser Ile

465		470		475		480
Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser Lys Ile Thr His						
	485			490		495
Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln Glu Trp Trp Trp						
	500			505		510
Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile Ser Met Pro Tyr						
	515			520		525
His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu Leu Lys Phe Pro						
	530			535		540
Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val Phe Leu Arg Ser						
	545			550		555
Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu Glu Val Xaa Lys						
	565			570		575
Phe Met Arg Leu Lys Pro Val Pro Glu Asn His Pro Gln Trp Asp Thr						
	580			585		590
Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly Phe Glu Asp						
	595			600		605
Ser Phe Glu Gly Gly Arg Gly Arg Glu Glu Gly Arg Trp Trp Thr						
	610			615		620

<210> 483

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 483

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser

1

5

10

15

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Val Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
      20              25              30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Xaa Gly Pro Pro Asp Pro
      35              40              45

Arg Pro Gly His Tyr Arg Arg Cys His Arg Ala Leu Thr Pro Ala Gln
      50              55              60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Ala Ala Gly Leu Arg
      65              70              75              80

Gly Arg Gln Trp Gln Gln Pro Cys Gly Arg Ala Xaa
      85              90

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<210> 484
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals stop translation

```

```

<400> 484
Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Xaa Xaa
  1              5              10

```

```

<210> 485
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals stop translation

```

```

<400> 485
Ile Leu Leu Cys Ser Trp Pro Thr Gly Leu Val Gly Gly Arg Asp Pro
  1              5              10              15

Gly Ser Ser Arg Gly Ser Ser Ala Ser Leu Thr Pro Ser Pro Gly Arg
      20              25              30

Gln Pro Cys Ser Arg Arg Arg Gly Tyr Ser Val Gly Arg Arg Ser Ser
      35              40              45

Pro Pro Asp Gly Ser Xaa

```

50

<210> 486
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 486
 Met Ala Phe Val Leu Leu Xaa Cys Phe Val Xaa Leu Gln Ser Ser Xaa
 1 5 10 15

Gly Arg Ala Val Gln Xaa
 20

<210> 487
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 487
 Glu Asn Met Ile Cys Val Lys Cys Leu Pro Gln Tyr Pro Glu His Ser
 1 5 10 15

Lys His Val

<210> 498
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 488
 Ala Arg Val Ala Phe His Leu Ile Cys Arg Tyr Ile Leu Pro Thr Val
 1 5 10 15

Tyr Cys His Val
20

<210> 489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 489
Glu Leu Val Glu Ser Pro Gly Ala Ala Gly Asn Ser Ala Arg Ser Gly
1 5 10 15

Asn Val Val Cys
20

<210> 490
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490
Phe Lys Lys Leu Val Asn Pro Arg Xaa Gln Gly Ile Arg His Glu Glu
1 5 10 15

Glu Ala Val Ser Trp Gln Glu Arg Arg
20 25

<210> 491
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491
Ile Ser Val Leu Xaa Tyr Pro His Cys Val Val His Glu Leu Pro Glu
1 5 10 15

Leu Thr Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp
20 25 30

Arg Asn Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu
35 40 45

Thr Lys Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser
50 55 60

10004563-120741

```

Ala Pro Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln
65              70              75              80

Leu Tyr Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg
85              90              95

Gln Trp Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys
100            105            110

Val Arg His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp
115            120            125

Ala Arg Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn
130            135            140

Ile Glu Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro
145            150            155            160

Asp Phe Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg
165            170            175

Val Asp Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu
180            185            190

Arg Glu Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu
195            200            205

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<210> 492

<211> 507

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 492

```

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1              5              10              15

```

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Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20              25              30

```

```

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35              40              45

```

```

Arg Glu Glu Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu
50              55              60

```

```

Thr Phe Pro Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His
65              70              75              80

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Pro Gln Thr Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa Pro
 85 90 95
 Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg Ser
 100 105 110
 Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val Gly
 115 120 125
 Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His Lys
 130 135 140
 Tyr Thr Ser Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu
 145 150 155 160
 Arg Ser Pro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala
 165 170 175
 Glu Thr Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile
 180 185 190
 Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys
 195 200 205
 Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro
 210 215 220
 Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His
 225 230 235 240
 Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Leu
 245 250 255
 Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln
 260 265 270
 His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn
 275 280 285
 Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu
 290 295 300
 Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu
 305 310 315 320
 Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe
 325 330 335
 Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys
 340 345 350
 His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu
 355 360 365
 Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu
 370 375 380

Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys
385 390 395 400

Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg
405 410 415

Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro Trp
420 425 430

Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg Phe
435 440 445

Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu Pro
450 455 460

Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu Pro
465 470 475 480

Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val Phe
485 490 495

Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
500 505

<210> 493

<211> 50

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu
50

<210> 494

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

100045601 1070701

0> 494
 Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu Thr Phe
 5 10 15
 : Leu Glu Arg Asp Glu Val Met Pro Pro Leu Gln His Pro Gln
 20 25 30
 : Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa
 35 40 45

10> 495
 11> 51
 12> PRT
 13> Homo sapiens

00> 495
 o Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg
 1 5 10 15
 r Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val
 20 25 30
 y Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His
 35 40 45
 s Tyr Thr
 50

110> 496
 111> 47
 112> PRT
 113> Homo sapiens

100> 496
 er Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu Arg Ser
 1 5 10 15
 ro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala Glu Thr
 20 25 30
 eu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile Ala
 35 40 45

210> 497
 211> 48
 212> PRT
 213> Homo sapiens

400> 497
 eu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys Thr
 1 5 10 15
 asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro Thr
 20 25 30

Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His Lys
 35 40 45

<210> 498
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 498
 Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Lys
 1 5 10 15

His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln His
 20 25 30

Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn Gln
 35 40 45

Asn Ile
 50

<210> 499
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 499
 Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu Asp Tyr Pro
 1 5 10 15

His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu Ser Leu Glu
 20 25 30

Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe Ser Cys Ile
 35 40 45

<210> 500
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 500
 Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys His Ser Arg
 1 5 10 15

Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu Lys Arg Ala
 20 25 30

Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu Lys Leu
 35 40 45

<210> 501
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys Ser Asn
 1 5 10 15

Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg Leu Asn
 20 25 30

Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro
 35 40 45

<210> 502
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 502
 Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg
 1 5 10 15

Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu
 20 25 30

Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu
 35 40 45

<210> 503
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 503
 Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val
 1 5 10 15

Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
 20 25

<210> 504
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>

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<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 504
Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
 1              5              10              15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
      20              25              30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
      35              40              45

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
 50              55              60

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
 65              70              75              80

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser Arg
      85              90              95

Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser Xaa
      100              105              110

Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr Leu
      115              120              125

His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp
      130              135              140

Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu Asp
145              150              155              160

Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu Asp
      165              170              175

Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu Ala
      180              185              190

Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln Glu Met
      195              200              205

Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala Ala
      210              215              220

Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Glu Gln

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223						230						235					240
Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn Leu																	
				245						250						255	
Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn Arg																	
			260						265							270	
Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys																	
			275					280						285			
Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr																	
			290				295						300				
Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro																	
305					310							315					
<210>	505																
<211>	261																
<212>	PRT																
<213>	Homo sapiens																
<220>																	
<221>	SITE																
<222>	(65)																
<223>	Xaa equals any of the naturally occurring L-amino acids																
<400>	505																
Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln																	
1					5					10						15	
Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro																	
				20					25							30	
Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser																	
			35				40						45				
Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser																	
			50				55						60				
Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr																	
			65				70						75				80
Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly																	
					85						90					95	
Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu																	
			100						105							110	
Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu																	
			115					120							125		
Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu																	
			130														

Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala
165 170 175

Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu
180 185 190

Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn
195 200 205

Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn
210 215 220

Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile
225 230 235 240

Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln
245 250 255

Tyr Ala Pro Ser Ala
260

<210> 506

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 506

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
35 40 45

<210> 507

<211> 47

<212> PRT

<213> Homo sapiens

<400> 507

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
 1 5 10 15

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
 20 25 30

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45

<210> 508

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 1 5 10 15

Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 20 25 30

Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 35 40 45

<210> 509

<211> 47

<212> PRT

<213> Homo sapiens

<400> 509

Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 1 5 10 15

Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 20 25 30

Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser
 35 40 45

<210> 510

<211> 47

<212> PRT

<213> Homo sapiens

<400> 510

Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln
 1 5 10 15

Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln
20 25 30

Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly
35 40 45

<210> 511

<211> 48

<212> PRT

<213> Homo sapiens

<400> 511

Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu
1 5 10 15

Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val
20 25 30

Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro
35 40 45

<210> 512

<211> 32

<212> PRT

<213> Homo sapiens

<400> 512

Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val
1 5 10 15

Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
20 25 30

<210> 513

<211> 47

<212> PRT

<213> Homo sapiens

<400> 513

Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
1 5 10 15

Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
20 25 30

Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu
35 40 45

10> 514
 11> 48
 12> PRT
 13> Homo sapiens

20>
 21> SITE
 22> (18)
 23> Xaa equals any of the naturally occurring L-amino acids

400> 514
 ar Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10 15
 ar Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 20 25 30
 yr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 35 40 45

210> 515
 211> 47
 212> PRT
 213> Homo sapiens

400> 515
 Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys
 1 5 10 15
 Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp
 20 25 30
 Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val
 35 40 45

<210> 516
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 516
 Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe
 1 5 10 15
 Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly
 20 25 30
 Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu
 35 40 45

<210> 517

<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 517
 Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr
 1 5 10 15
 Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu
 20 25 30
 Val Thr Asn Arg Tyr Leu
 35

<210> 518
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 518
 Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys Glu Tyr
 1 5 10 15
 Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr Ala Pro
 20 25 30
 Ser Ala

<210> 519
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 519
 Asn Arg Tyr Tyr Arg Glu Ser Trp Ser Leu Gln Val Pro Val Arg Asn
 1 5 10 15
 Ser Gly Ser Thr His Ala Ser Glu Arg Asn Gly Ala Ser Gly Pro Arg
 20 25 30
 Pro Gly Leu Arg Arg Leu Arg Gly Gly Arg Arg Ala Val Arg Arg Lys
 35 40 45
 Glu Arg Leu Leu His Arg Gln Leu Pro Ala Val His Lys Arg
 50 55 60

<210> 520
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr Asp Ser
20 25 30

Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu Leu Val
35 40 45

Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr Leu Pro
50 55 60

Pro Ser
65

<210> 521

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr
20 25 30

<210> 522

<211> 36

<212> PRT

<213> Homo sapiens

<400> 522

Asp Ser Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu
1 5 10 15

Leu Val Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr
20 25 30

Leu Pro Pro Ser
35

<210> 523

<211> 156

<212> PRT

<213> Homo sapiens

<400> 523

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn
 85 90 95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 524

<211> 176

<212> PRT

<213> Homo sapiens

<400> 524

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
 1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
 20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr Glu Ser
 35 40 45

Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser Leu Asn
 50 55 60

Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu Ala Trp
 65 70 75 80

Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg Ser Glu
 85 90 95

Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 100 105 110

<212> PRT

<213> Homo sapiens

<400> 527

Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile Asp Val
1 5 10 15

Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala
20 25

<210> 528

<211> 30

<212> PRT

<213> Homo sapiens

<400> 528

Tyr Phe Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp
1 5 10 15

Val Ala Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
20 25 30

<210> 529

<211> 46

<212> PRT

<213> Homo sapiens

<400> 529

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr
35 40 45

<210> 530

<211> 50

<212> PRT

<213> Homo sapiens

<400> 530

Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser
1 5 10 15

Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu
20 25 30

Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg
35 40 45

Ser Glu
50

<210> 531
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 531
 Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 1 5 10 15
 Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 20 25 30
 Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn
 35 40 45

<210> 532
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 532
 Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp
 1 5 10 15
 Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly
 20 25 30
 Lys

<210> 533
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 533
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly
 50 55 60
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser
 65 70 75 80
 Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly
 85 90 95
 Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro
 100 105 110

10/21/00 10:00:00

Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys
115 120 125

Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly
130 135 140

Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser
145 150 155 160

Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln
165 170 175

Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
180 185 190

His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
195 200 205

Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
210 215 220

Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn
225 230 235 240

Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly
245 250 255

His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe Pro Ala
260 265 270

Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly Pro Ala Pro Gln
275 280 285

Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser Leu Gln Asn Phe
290 295 300

Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro Pro Gly Ser Asn
305 310 315 320

Leu Arg Thr Thr

<210> 534

<211> 133

<212> PRT

<213> Homo sapiens

<400> 534

Ile Gln Asp Leu Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr
1 5 10 15

Thr Lys Leu Gly Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala
20 25 30

Pro Leu Ser Gly Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
35 40 45

Ser Ser Arg Ser Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly
50 55 60

Asn Leu Ser Gly Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr
65 70 75 80

Leu His Pro Pro Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu
85 90 95

Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
100 105 110

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
115 120 125

Gly Thr Ser Ser Thr
130

<210> 535

<211> 53

<212> PRT

<213> Homo sapiens

<400> 535

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
1 5 10 15

Gly Thr Ser Ser Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala
20 25 30

Ala Gln Ala Gln Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe
35 40 45

Thr Asp Asp Leu His
50

<210> 536

<211> 48

<212> PRT

<213> Homo sapiens

<400> 536

Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala Arg Lys Phe Ser
1 5 10 15

Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn Leu Gly Gly Ser
20 25 30

Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly His Phe Thr Lys
35 40 45

<210> 537
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
 1 5 10 15
 Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro
 50

<210> 539
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 539
 Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly Arg Arg Arg
 1 5 10 15
 Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser Ser Ser Leu
 20 25 30
 Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly Gln Ser
 35 40 45

<210> 540
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 540
 Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro Gly Asn
 1 5 10 15
 Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys Pro Ser

20 25 30
 Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly Ala Ile
 35 40 45

Ser Val
 50

<210> 541
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 541
 Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser Thr Asn Thr Val
 1 5 10 15

Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln Pro Pro Ala Met
 20 25 30

Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 35 40

<210> 542
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 542
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 1 5 10 15

Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 20 25 30

Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr
 35 40 45

<210> 543
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 543
 Ser Asn Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser
 1 5 10 15

Leu Gly His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe
 20 25 30

Pro Ala Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly
 35 40 45

<210> 544

10004860-120701

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<211> 40
<212> PRT
<213> Homo sapiens
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<400> 544
Pro Ala Pro Gln Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser
1 5 10 15

Leu Gln Asn Phe Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro
20 25 30

Pro Gly Ser Asn Leu Arg Thr Thr
35 40

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<210> 545
<211> 57
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 545
Val Arg Val Ala Ala Ala Glu Ser Met Xaa Leu Leu Leu Glu Cys Ala
1 5 10 15

Xaa Val Arg Gly Pro Glu Tyr Leu Thr Gln Met Trp His Phe Met Cys
20 25 30

Asp Ala Leu Ile Lys Ala Ile Gly Thr Glu Pro Asp Ser Asp Val Leu
35 40 45

Ser Glu Ile Met His Ser Phe Ala Lys
50 55

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<210> 546
<211> 85
<212> PRT
<213> Homo sapiens
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<400> 546
Met Glu Ile Asn Asn Gln Asn Cys Phe Ile Val Ile Asp Leu Val Arg
1 5 10 15

Thr Val Met Glu Asn Gly Val Glu Gly Leu Leu Ile Phe Gly Ala Phe
20 25 30

Leu Pro Glu Ser Trp Leu Ile Gly Val Arg Cys Ser Ser Glu Pro Pro
35 40 45

Lys Ala Leu Leu Leu Ile Leu Ala His Ser Gln Lys Arg Arg Leu Asp
50 55 60

Gly Trp Ser Phe Ile Arg His Leu Arg Val His Tyr Cys Val Ser Leu
65 70 75 80

Thr Ile His Phe Ser
85

<210> 547
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 547
Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
1 5 10 15

Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
20 25 30

Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu Val Cys Thr
35 40 45

Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp Asn Ser Thr
50 55 60

Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly Cys Tyr Phe
65 70 75 80

Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu Ala Ala Gly
85 90 95

Gln Ser Ser Thr
100

<210> 548
<211> 45
<212> PRT
<213> Homo sapiens

1000485-10070

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 548
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15
 Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30
 Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu
 35 40 45

<210> 549
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 549
 Val Cys Thr Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp
 1 5 10 15
 Asn Ser Thr Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly
 20 25 30
 Cys Tyr Phe Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu
 35 40 45

Ala Ala Gly Gln Ser Ser Thr
 50 55

<210> 550
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 550
 Gln Asp Lys His Ala Glu Glu Val Arg Lys Asn Lys Glu Leu Lys Glu
 1 5 10 15

Glu Ala Ser Arg
 20

<210> 551
 <211> 92
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 551
 Gln Gln Asp Leu Ser Pro Trp Ala Ala Pro Val Gly Cys Pro Leu Xaa
 1 5 10 15
 Xaa Ala Ser Xaa Thr Cys His Xaa Leu Pro Leu Ser Gly Cys Leu Arg
 20 25 30
 Arg Gln Ser Xaa Ser Leu Pro Val Val Ala Xaa Leu Cys Phe Trp Phe
 35 40 45
 Ser Cys Pro Leu Ala Ser Leu Phe Val Pro Gly Gln Pro Cys Val Thr
 50 55 60
 Cys Pro Phe Pro Ser Leu Pro Phe Gln Asp Lys His Ala Glu Glu Val
 65 70 75 80
 Arg Lys Asn Lys Glu Leu Lys Glu Glu Ala Ser Arg
 85 90

 <210> 552
 <211> 37

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 552
 Pro Thr Arg Cys Cys Thr Thr Gln Pro Cys Arg Ser Ser Ala Arg Arg
 1 5 10 15

Pro Cys Trp Val Pro Met Val Pro Ser Pro Glu Gly Arg Glu Xaa Gln
 20 25 30

Pro Thr Cys Pro Ser
 35

<210> 553
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 553
 Met Lys Arg Ser Leu Asn Glu Asn Ser Ala Arg Ser Thr Ala Gly Cys
 1 5 10 15

Leu Pro Val Pro Leu Phe Asn Gln Lys Lys Arg Asn Arg Gln Pro Leu
 20 25 30

Thr Ser Asn Pro Leu Lys Asp Ser Gly Ile Ser Thr Pro Ser Asp
 35 40 45

Asn Tyr Asp Phe Pro Pro Leu Pro Thr Asp Trp Ala Trp Glu Ala Val
 50 55 60

Asn Pro Glu Xaa Ala Pro Val Met Lys Thr Val Asp Thr Gly Gln Ile
 65 70 75 80

Pro His Ser Val Ser Arg Pro Leu Arg Ser Gln Asp Ser Val Phe Asn
 85 90 95

Ser Ile Gln Ser Asn Thr Gly Arg Ser Gln Gly Gly Trp Ser Tyr Arg
 100 105 110
 Asp Gly Asn Lys Asn Thr Ser Leu Lys Thr Trp Xaa Lys Asn Asp Phe
 115 120 125
 Lys Pro Gln Cys Lys Arg Thr Asn Leu Val Ala Asn Asp Gly Lys Asn
 130 135 140
 Ser Cys Pro Met Ser Ser Gly Ala Gln Gln Gln Lys Gln Leu Arg Thr
 145 150 155 160
 Pro Glu Pro Pro Asn Leu Ser Arg Asn Lys Glu Thr Glu Leu Leu Arg
 165 170 175
 Gln Thr His Ser Ser Lys Ile Ser Gly Cys Thr Met Arg Gly Leu Asp
 180 185 190
 Lys Asn Ser Ala Leu Gln Thr Leu Lys Pro Asn Phe Gln Gln Asn Gln
 195 200 205
 Tyr Lys Xaa Gln Met Leu Asp Asp Ile Pro Glu Asp Asn Thr Leu Lys
 210 215 220
 Glu Thr Ser Leu Tyr Gln Leu Gln Phe Lys Glu Lys Ala Ser Ser Leu
 225 230 235 240
 Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp Arg Glu His
 245 250 255
 Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val Leu Asp Ser
 260 265 270
 Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu Met Arg Asp
 275 280 285
 Gly Lys Asn Thr Leu Pro Cys Val Phe Tyr Glu Ile Asp Arg Glu Leu
 290 295 300
 Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
 305 310 315 320
 Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 325 330 335
 Ser Glu Gln Lys Thr Phe Gln Ala Phe Val Lys Ile Ala Asp Val Glu
 340 345 350
 Met Gln Tyr Tyr Ile Asn Val Met Asn Glu Thr
 355 360

<210> 554

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 554

Ser Gln Asp Ser Val Phe Asn Ser Ile Gln Ser Asn Thr Gly Arg Ser
 1 5 10 15

Gln Gly Gly Trp Ser Tyr Arg Asp Gly Asn Lys Asn Thr Ser Leu Lys
 20 25 30

Thr Trp Xaa Lys Asn Asp Phe Lys Pro Gln Cys Lys Arg
 35 40 45

<210> 555

<211> 36

<212> PRT

<213> Homo sapiens

<400> 555

Asn Lys Glu Thr Glu Leu Leu Arg Gln Thr His Ser Ser Lys Ile Ser
 1 5 10 15

Gly Cys Thr Met Arg Gly Leu Asp Lys Asn Ser Ala Leu Gln Thr Leu
 20 25 30

Lys Pro Asn Phe
 35

<210> 556

<211> 49

<212> PRT

<213> Homo sapiens

<400> 556

Ser Ser Leu Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp
 1 5 10 15

Arg Glu His Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val
 20 25 30

Leu Asp Ser Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu
 35 40 45

Met

<210> 557

<211> 42

<212> PRT

<213> Homo sapiens

<400> 557

Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
 1 5 10 15

Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 20 25 30

Ser Glu Gln Lys Thr Phe Gln Ala Phe Val
 35 40

<210> 558

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (320)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (334)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (350)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (355)

<223> Xaa equals any of the naturally occurring L-amino acids

<221> SITE

 $\langle 223 \rangle$ Xaa \in

<223> Xaa equals any of the naturally occurring L-amino acids

Gly Val Phe Arg Pro Cys Val Cys Gly Arg Pro Ala Ser Leu Thr Cys

[illegible]

Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro Thr Met
20 25 30

Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro Val
35 40 45

His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys Thr
50 55 60

Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg Gly
65 70 75 80

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
85 90 95

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
100 105 110

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
115 120 125

Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln Leu
130 135 140

Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val
145 150 155 160

Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His
165 170 175

Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg
180 185 190

Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr Val
195 200 205

Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu Val
210 215 220

Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met Leu
225 230 235 240

Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu Leu
245 250 255

Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met Phe
260 265 270

Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe Ser

275

280

285

Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn Ala
290 295 300

Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys Xaa
305 310 315 320

Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr Ser Met Xaa Trp Thr
325 330 335

Xaa Arg Xaa Pro Xaa Asp Ala Arg Xaa Pro Val Val Gly Xaa Arg Xaa
340 345 350

Ile Gln Xaa Leu Lys Asp His Xaa Pro Arg Met Val Leu Asp Ser Lys
355 360 365

Pro Gln
370

<210> 559

<211> 39

<212> PRT

<213> Homo sapiens

<400> 559

Thr Cys Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro
1 5 10 15

Thr Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser
20 25 30

Pro Val His Thr Thr Leu Ser
35

<210> 560

<211> 54

<212> PRT

<213> Homo sapiens

<400> 560

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
1 5 10 15

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
20 25 30

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
35 40 45

Val Phe Gly Ser Lys Phe
50

<210> 561

<211> 52

F000000.F000000

<212> PRT
 <213> Homo sapiens

<400> 561
 Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp
 1 5 10 15
 Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg
 20 25 30
 Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp
 35 40 45
 Ser Glu Asp Glu
 50

<210> 562
 <211> 56
 <212> PRT
 <213> Homo sapiens
 <400> 562
 His Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln
 1 5 10 15
 Lys Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu
 20 25 30
 His Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr
 35 40 45
 Pro Gly Thr Asp Gln Leu Gly Met
 50 55

<210> 563
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 563
 Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro
 1 5 10 15
 Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu
 20 25 30
 Asp Pro Lys Xaa Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr
 35 40 45

<210> 564

<211> 152
 <212> PRT
 <213> Homo sapiens

<400> 564
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr
 50 55 60
 Gly Lys Glu Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile
 65 70 75 80
 Ala Arg Ile Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro
 85 90 95
 Leu Ser Ser Val Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly
 100 105 110
 Ile Arg Val Val Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln
 115 120 125
 Lys Glu Arg Ala Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala
 130 135 140
 Ala Gln Glu Glu Ala Ala Lys Lys
 145 150

<210> 565
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 565
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu
 50

<210> 566
 <211> 49
 <212> PRT

<213> Homo sapiens

<400> 566

Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu
 1 5 10 15

Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile Ala Arg Ile
 20 25 30

Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro Leu Ser Ser
 35 40 45

Val

<210> 567

<211> 52

<212> PRT

<213> Homo sapiens

<400> 567

Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val
 1 5 10 15

Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala
 20 25 30

Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu
 35 40 45

Ala Ala Lys Lys
 50

<210> 568

<211> 270

<212> PRT

<213> Homo sapiens

<400> 568

Ala Val Tyr Thr Tyr His Glu Lys Lys Lys Asp Thr Ala Ala Ser Gly
 1 5 10 15

Tyr Gly Thr Gln Asn Ile Arg Leu Ser Arg Asp Ala Val Lys Asp Phe
 20 25 30

Asp Cys Cys Cys Leu Ser Leu Gln Pro Cys His Asp Pro Val Val Thr
 35 40 45

Pro Asp Gly Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu
 50 55 60

His Gln Lys Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln
 65 70 75 80

Arg Gly Thr Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser
 85 90 95

Gln Asp His Val Arg Gly Phe Leu Glu Lys Glu Ser Ala Ile Val Ser
 100 105 110
 Arg Pro Leu Asn Pro Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro
 115 120 125
 Asp Asp Val Gln Pro Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys
 130 135 140
 Asp Lys Val Leu Pro Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala
 145 150 155 160
 Lys Ala Thr Lys Lys Leu Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met
 165 170 175
 Ser Gly Lys Pro Leu Arg Met Ser Asp Leu Thr Pro Val His Phe Thr
 180 185 190
 Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile Thr Arg Ser Glu
 195 200 205
 Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro
 210 215 220
 Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr Leu Glu Cys Val
 225 230 235 240
 Glu Lys Leu Ile Arg Lys Asp Met Val Asp Pro Val Thr Gly Asp Lys
 245 250 255
 Leu Thr Asp Arg Asp Ile Ile Val Leu Gln Arg Gly Gly Thr
 260 265 270

<210> 569

<211> 54

<212> PRT

<213> Homo sapiens

<400> 569

Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu His Gln Lys
 1 5 10 15

Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln Arg Gly Thr
 20 25 30

Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser Gln Asp His
 35 40 45

Val Arg Gly Phe Leu Glu
 50

<210> 570

<211> 64

<212> PRT

<213> Homo sapiens

<400> 570

Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro Asp Asp Val Gln Pro
 1 5 10 15

Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys Asp Lys Val Leu Pro
 20 25 30

Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala Lys Ala Thr Lys Leu
 35 40 45

Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met Ser Gly Lys Pro Leu
 50 55 60

<210> 571

<211> 56

<212> PRT

<213> Homo sapiens

<400> 571

Val His Phe Thr Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile
 1 5 10 15

Thr Arg Ser Glu Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser
 20 25 30

Asn Ala Thr Pro Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr
 35 40 45

Leu Glu Cys Val Glu Lys Leu Ile
 50 55

<210> 572

<211> 66

<212> PRT

<213> Homo sapiens

<400> 572

Met Ser Asp Leu Thr Pro Val His Phe Thr Pro Leu Asp Ser Ser Val
 1 5 10 15

Asp Arg Val Gly Leu Ile Thr Arg Ser Glu Arg Tyr Val Cys Ala Val
 20 25 30

Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro Cys Ala Val Leu Arg Pro
 35 40 45

Ser Gly Ala Val Val Thr Leu Glu Cys Val Glu Lys Leu Ile Arg Lys
 50 55 60

Asp Met
 65

<210> 573
 <211> 567
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (409)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 573
 Met Asp Thr Ser Glu Asn Arg Pro Glu Asn Asp Val Pro Glu Pro Pro
 1 5 10 15
 Met Pro Ile Ala Asp Gln Val Ser Asn Asp Asp Arg Pro Glu Gly Ser
 20 25 30
 Val Glu Asp Glu Glu Lys Lys Glu Ser Ser Leu Pro Lys Ser Phe Lys
 35 40 45
 Arg Lys Ile Ser Val Val Ser Ala Thr Lys Gly Val Pro Ala Gly Asn
 50 55 60
 Ser Asp Thr Glu Gly Gly Gln Pro Gly Arg Lys Arg Arg Trp Gly Ala
 65 70 75 80
 Ser Thr Ala Thr Thr Gln Lys Lys Pro Ser Ile Ser Ile Thr Thr Glu
 85 90 95
 Ser Leu Lys Ser Leu Ile Pro Asp Ile Lys Pro Leu Ala Gly Gln Glu
 100 105 110
 Ala Val Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu
 115 120 125
 Thr Glu Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile
 130 135 140
 Cys Arg Thr Val Thr Gln Val Val Pro Ala Glu Gly Gln Glu Asn Gly
 145 150 155 160
 Gln Arg Glu Glu Glu Glu Glu Lys Glu Pro Glu Ala Glu Pro Pro
 165 170 175
 Val Pro Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu
 180 185 190
 His Glu Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser
 195 200 205
 Ile Ser Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val
 210 215 220
 Arg Thr Ala Gln Val Pro Ser Pro Pro Arg Gly Lys Ile Ser Asn Ile
 225 230 235 240
 Val His Ile Ser Asn Leu Val Arg Pro Phe Thr Leu Gly Gln Leu Lys

245										250					255				
Glu	Leu	Leu	Gly	Arg	Thr	Gly	Thr	Leu	Val	Glu	Glu	Ala	Phe	Trp	Ile				
260										265					270				
Asp	Lys	Ile	Lys	Ser	His	Cys	Phe	Val	Thr	Tyr	Ser	Thr	Val	Glu	Glu				
275										280					285				
Ala	Val	Ala	Thr	Arg	Thr	Ala	Leu	His	Gly	Val	Lys	Trp	Pro	Gln	Ser				
290										295					300				
Asn	Pro	Lys	Phe	Leu	Cys	Ala	Asp	Tyr	Ala	Glu	Gln	Asp	Glu	Leu	Asp				
305										310					315				
Tyr	His	Arg	Gly	Leu	Leu	Val	Asp	Arg	Pro	Ser	Glu	Thr	Lys	Thr	Glu				
320										325					330				
Glu	Gln	Gly	Ile	Pro	Arg	Pro	Leu	His	Pro	Pro	Pro	Pro	Pro	Pro	Val				
335										340					345				
Gln	Pro	Pro	Gln	His	Pro	Arg	Ala	Glu	Gln	Arg	Glu	Gln	Glu	Arg	Ala				
350										355					360				
Val	Arg	Glu	Gln	Trp	Ala	Glu	Arg	Glu	Arg	Glu	Met	Glu	Arg	Arg	Glu				
365										370					375				
Arg	Thr	Arg	Ser	Glu	Arg	Glu	Trp	Asp	Arg	Asp	Lys	Val	Arg	Glu	Gly				
380										385					390				
Pro	Arg	Ser	Arg	Ser	Arg	Ser	Arg	Xaa	Arg	Arg	Arg	Lys	Glu	Arg	Ala				
395										400					405				
Lys	Ser	Lys	Glu	Lys	Lys	Ser	Glu	Lys	Lys	Glu	Lys	Ala	Gln	Glu	Glu				
410										415					420				
Pro	Pro	Ala	Lys	Leu	Leu	Asp	Asp	Leu	Phe	Arg	Lys	Thr	Lys	Ala	Ala				
425										430					435				
Pro	Cys	Ile	Tyr	Trp	Leu	Pro	Leu	Thr	Asp	Ser	Gln	Ile	Val	Gln	Lys				
440										445					450				
Glu	Ala	Glu	Arg	Ala	Glu	Arg	Ala	Lys	Glu	Arg	Glu	Lys	Arg	Arg	Lys				
455										460					465				
Glu	Gln	Glu	Glu	Glu	Glu	Gln	Lys	Glu	Arg	Glu	Lys	Glu	Ala	Glu	Arg				
470										475					480				
Glu	Arg	Asn	Arg	Gln	Leu	Glu	Arg	Glu	Lys	Arg	Arg	Glu	His	Ser	Arg				
485										490					495				
Glu	Arg	Asp	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Asp	Arg	Gly	Asp				
500										505					510				
Glu	Arg	Asp	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Asp	Arg	Gly	Asp				
515										520					525				
Arg	Asp	Arg	Asp	Arg	Glu	Arg	Asp	Arg	Glu	Arg	Gly	Arg	Glu	Arg	Asp				
530										535					540				
Arg	Arg	Asp	Thr	Lys	Arg	His	Ser	Arg	Ser	Arg	Ser	Arg	Ser	Thr	Pro				
545										550					555				

Val Arg Asp Arg Gly Gly Arg
565

<210> 574
<211> 48
<212> PRT
<213> Homo sapiens

<400> 574
Glu Asn Asp Val Pro Glu Pro Pro Met Pro Ile Ala Asp Gln Val Ser
1 5 10 15
Asn Asp Asp Arg Pro Glu Gly Ser Val Glu Asp Glu Glu Lys Lys Glu
20 25 30
Ser Ser Leu Pro Lys Ser Phe Lys Arg Lys Ile Ser Val Val Ser Ala
35 40 45

<210> 575
<211> 37
<212> PRT
<213> Homo sapiens

<400> 575
Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu Thr Glu
1 5 10 15
Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile Cys Arg
20 25 30
Thr Val Thr Gln Val
35

<210> 576
<211> 55
<212> PRT
<213> Homo sapiens

<400> 576
Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu His Glu
1 5 10 15
Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser Ile Ser
20 25 30
Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val Arg Thr
35 40 45
Ala Gln Val Pro Ser Pro Pro
50 55

<210> 577

<211> 55

<212> PRT

<213> Homo sapiens

<400> 577

Leu Lys Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe
 1 5 10 15

Trp Ile Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val
 20 25 30

Glu Glu Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro
 35 40 45

Gln Ser Asn Pro Lys Phe Leu
 50 55

<210> 578

<211> 53

<212> PRT

<213> Homo sapiens

<400> 578

Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro Arg
 1 5 10 15

Pro Leu His Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His Pro
 20 25 30

Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp Ala
 35 40 45

Glu Arg Glu Arg Glu
 50

<210> 579

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 579

Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser Arg
 1 5 10 15

Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys Lys
 20 25 30

Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu Leu
 35 40 45

Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro
50 55

<210> 580

<211> 64

<212> PRT

<213> Homo sapiens

<400> 580

Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala Glu
1 5 10 15

Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu
20 25 30

Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln Leu
35 40 45

Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu Arg
50 55 60

<210> 581

<211> 32

<212> PRT

<213> Homo sapiens

<400> 581

Leu Asp Val Pro Leu Ala Ser Arg Ser Pro Glu Phe Pro Leu Pro Leu
1 5 10 15

Met Thr Gln Ser Glu Leu Pro Arg Cys Pro Pro His Pro Gly Ala Arg
20 25 30

<210> 582

<211> 15

<212> PRT

<213> Homo sapiens

<400> 582

Leu Ala Thr Leu Ser Ile Ser Pro Ile Trp Ser Val Leu Ser Leu
1 5 10 15

<210> 583

<211> 51

<212> PRT

<213> Homo sapiens

<400> 583

Gly Cys Asp Ser Cys Pro Pro His Leu Pro Arg Glu Ala Phe Ala Gln
 1 5 10 15

Asp Thr Gln Ala Glu Gly Glu Cys Ser Ser Arg Ala Glu Arg Ala Asp
 20 25 30

Met Cys Pro Asp Ala Pro Pro Ser Gln Glu Val Pro Glu Gly Pro Gly
 35 40 45

Ala Ala Pro
 50

<210> 584

<211> 91

<212> PRT

<213> Homo sapiens

<400> 584

Arg Gly Trp Leu Pro Ser Ser Cys Leu Ser Cys Ala Leu Arg Val Cys
 1 5 10 15

Pro Asp Ser Ser Ser Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp
 20 25 30

Leu Pro Gly Ala Ser Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 35 40 45

Asp Glu Asp Thr Asp Thr Asp Glu Tyr Lys Glu Ala Lys Ala Ser Ile
 50 55 60

Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro Asn Pro Met Glu
 65 70 75 80

Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala
 85 90

<210> 585

<211> 27

<212> PRT

<213> Homo sapiens

<400> 585

Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp Leu Pro Gly Ala Ser
 1 5 10 15

Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 20 25

<210> 586

<211> 50

<212> PRT

<213> Homo sapiens

<400> 586

Pro Gln Leu Pro Ser Cys Gly Arg Pro Trp Pro Gly Thr Ala Ser Val
 1 5 10 15

Phe Gln Ser His Thr Gln Gly Pro Arg Glu Asp Pro Asp Pro Cys Arg
 20 25 30

Ala Gln Gly Ser Ala Gly Thr His Cys Pro Ile Ser Leu Ser Pro Pro
 35 40 45

Arg Gln
 50

<210> 587

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 587

Lys Thr His Pro Arg Ala Leu Trp Ser Ala Gly Pro Ser Cys Ala Leu
 1 5 10 15

Cys Pro Gly Gly Ser Gly Xaa Thr Ser Pro Pro Gln Gly Ala Pro Arg
 20 25 30

Gly Ile Xaa Trp Asp Arg Cys Pro Gln Ile Gln Val Leu Glu Gly Gln
 35 40 45

Arg Val Arg Phe Pro Ser Gln Pro Gln His Pro Ser His Leu Ala Pro
 50 55 60

Arg Gly Gly Cys Gly Trp Arg Pro Asp Ser Arg Pro Leu Leu Pro Thr
 65 70 75 80

Pro Ser Gly Leu Ser Ser Phe Phe Pro Leu Asp Ala Gln Cys Trp Pro
 85 90 95

Trp Arg Thr Val Ser Trp Arg
 100

<210> 588

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 588

Ala	Gly	Ala	Pro	Gly	Gln	Gln	Ala	Arg	Leu	Gln	Tyr	Leu	Leu	Ser	Phe
1				5					10					15	

Gln	Gly	Glu	Gly	Ala	Pro	His	Glu	Xaa	Gly	Ala	Thr	Gly	Glu	Gly	Gly
		20						25					30		

Asp	Gly	Ala	Trp	Glu	Ala	Cys	Xaa	Cys	Xaa	Arg	Cys	Leu	Leu	Asn	Trp
		35					40					45			

Gln	Ala	Gly	Gly	Trp	Gly	Leu	Gln	Leu	Ser	Leu	Met	Trp	Leu	His	Arg
	50					55					60				

Gly	Pro	Leu	Arg	Pro	Pro	Gly	Val	Arg	Trp	Thr	Pro	Trp	Ala	Phe	Leu
65					70					75					80

Glu	Ala	Cys	Ser	Trp	Gly	Pro	Ala	Leu	Ser	Leu	Leu	Gly	Ser	Gly	His
			85						90					95	

Ser	Leu	Pro	Gly	Thr	His	Glu	Gln	Ala	Ala	Trp	Ser	Arg	Gly	Cys	Gly
		100						105						110	

Gln	His	Gly	Gln	Ser	Pro	Thr	Gln	Lys	Cys	Lys	Ser	Ser	Lys	Glu	Pro
		115					120					125			

Leu	Ala	Gln	Ala	Pro	Pro	Trp	Asp	Ser	Pro	Ala	Ala	Pro	Pro	His	Gln
	130					135						140			

Gly	Phe	Ala	Asp	Val	Leu	Glu	Arg	Pro	Thr	Leu	Glu	Pro	Phe	Gly	Val
145				150						155				160	

Leu	Ala	Pro	Pro	Val	Pro	Ser	Ala	Leu	Val	Glu	Ala	Ala	Xaa	Gln	Val
			165					170						175	

Leu	Leu	Arg	Glu	Pro	Gln	Gly	Gly	Phe	Xaa	Gly	Thr	Ala	Ala	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

180

185

190

Ser Arg Cys Trp Lys Gly Ser Gly
195 200

<210> 589

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589

Met Gln Leu Leu Phe Leu Leu Pro His Pro Ser Pro Gln Leu His Ala
1 5 10 15

Ser Leu Pro His Ser Ala Ala Leu Pro Cys Pro Arg Gly Glu Ser Leu
20 25 30

Thr Thr Ala Ser Pro Ala Gly Ala Ala Gly Arg Xaa Asp Ala Val Pro
35 40 45

Arg Cys Arg His Gln Ala Gly Arg Gly Trp Val Pro Arg Gly Pro Cys
50 55 60

Glu Arg Gly Gly Gly Asp Arg Gly Lys Pro Arg Ala Val Ala Trp Asp
65 70 75 80

Xaa Gly Ser Leu Arg Trp Ala Val Trp Ser Ala Arg Ala Gly Gln Gly
85 90 95

Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
100 105 110

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg Xaa Gly Arg Arg
115 120 125

Gly Arg Gly Val Met Val Pro Gly Lys Pro Ala Cys Ala Xaa Gly Ala
130 135 140

Cys
145

<210> 590
<211> 34
<212> PRT
<213> Homo sapiens

<400> 590
Gln His Pro Ser His Leu Ala Pro Arg Gly Gly Cys Gly Trp Arg Pro
1 5 10 15
Asp Ser Arg Pro Leu Leu Pro Thr Pro Ser Gly Leu Ser Ser Phe Phe
20 25 30
Pro Leu

<210> 591
<211> 30
<212> PRT
<213> Homo sapiens

<400> 591
Gly Val Arg Trp Thr Pro Trp Ala Phe Leu Glu Ala Cys Ser Trp Gly
1 5 10 15
Pro Ala Leu Ser Leu Leu Gly Ser Gly His Ser Leu Pro Gly
20 25 30

<210> 592
<211> 28
<212> PRT
<213> Homo sapiens

<400> 592
Trp Asp Ser Pro Ala Ala Pro Pro His Gln Gly Phe Ala Asp Val Leu
1 5 10 15
Glu Arg Pro Thr Leu Glu Pro Phe Gly Val Leu Ala
20 25

<210> 593
<211> 28
<212> PRT
<213> Homo sapiens

<400> 593
Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
1 5 10 15
Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg
20 25

<210> 594
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 594
 Pro Gly Phe Arg Gly Pro Ser Gly Ser Leu Gly Cys Ser Phe Phe Pro
 1 5 10 15
 Arg Ser Leu Gly Arg Val Leu Pro Pro Gly Cys Gln Arg Pro Gly Ala
 20 25 30
 His Ala Asp Ser Ser Pro Pro Pro Thr Pro
 35 40

<210> 595
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 595
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45
 Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60
 Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80
 Val Leu Leu Ser

<210> 596
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 596
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser Asp Ser Asn Leu His Asp
 85 90

<210> 597

<211> 34

<212> PRT

<213> Homo sapiens

<400> 597

Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys Ala Ser Cys Pro
 1 5 10 15

Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys Val Leu Leu Ser
 20 25 30

Asp Ser

<210> 598

<211> 25

<212> PRT

<213> Homo sapiens

<400> 598

Ser Cys Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys
 1 5 10 15

Gly Leu Ala Glu Glu Leu Glu Lys Glu
 20 25

<210> 599

<211> 21

<212> PRT

<213> Homo sapiens

<400> 599

Ser Gln Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe
 1 5 10 15

Arg Cys Ala Ser Cys
 20

<210> 600

<211> 17

<212> PRT

<213> Homo sapiens

<400> 600

Asp

```
<210> 601
<211> 16
<212> PRT
<213> Homo sapiens
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```
<400> 601
Cys Cys Cys Val Ser Lys Asp Gln Gly Ile Met Gly Pro Gly Phe Arg
 1             5             10             15
```

```
<210> 602
<211> 103
<212> PRT
<213> Homo sapiens
```

<400> 602
His Ser Val Thr Glu Leu Gln Thr Pro Ala Leu Ser Leu Ile Ser Ala
1 5 10 15

Met Leu Pro Pro Ser Cys Leu Ser Glu Leu Leu Val Tyr Ser Ile Leu
20 25 30

Cys Asp Thr Ser Gln Val Ala His Asn Leu Leu Arg Ala Pro Glu Asp
35 40 45

Ser Leu Thr Gly Cys Cys Asp Asp Ile Gln Cys Pro Ser Ala Pro Phe
50 55 60

His Pro Gln Pro His Leu Thr Val Ala Leu His Leu Cys Pro Val Val
65 70 75 80

Ile Tyr Val Asn Leu Gln Val Leu Asn Leu Leu His Ile Leu Thr Tyr
85 90 95

Leu Glu Ile Leu His Val Leu
100

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<210> 603
<211> 24
<212> PRT
<213> Homo sapiens
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<400> 603
Leu Leu Val Tyr Ser Ile Leu Cys Asp Thr Ser Gln Val Ala His Asn
  1             5             10             15
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Leu Leu Arg Ala Pro Glu Asp Ser

20

<210> 604
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 604
 Leu Thr Val Ala Leu His Leu Cys Pro Val Val Ile Tyr Val Asn Leu
 1 5 10 15
 Gln Val Leu Asn Leu Leu His Ile Leu Thr
 20 25

<210> 605
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 605
 Phe Phe Asn Ala Leu Tyr Val Phe Arg Lys Pro Gln Ala Ile Phe Asp
 1 5 10 15
 Ser Glu Lys Glu Asn Lys Arg Lys Asn Pro Thr Lys Tyr Asn Asn Pro
 20 25 30
 Leu Arg Tyr Ile Tyr Phe Lys Val Lys Leu Ile Phe Gln Phe Ile Pro
 35 40 45
 Leu Ala Asn Tyr Lys Ile Lys
 50 55

<210> 606
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 606
 Glu Ser Ser Gly Gln Ala Arg Thr Leu Ala Asp Pro Gly Pro Gly Trp
 1 5 10 15
 Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu Ser Thr
 20 25 30
 Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro Arg Leu
 35 40 45
 Ile Glu Ser Leu Ser Gln Met Leu Ser Met Gly Phe Ser Asp Glu Gly
 50 55 60
 Gly Trp Leu Thr Arg Leu Leu Gln Thr Lys Asn Tyr Asp Ile Gly Ala
 65 70 75 80
 Ala Leu Asp Thr Ile Gln Tyr Ser Lys His
 85 90

<210> 607
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 607
 Tyr Ser Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu
 1 5 10 15
 Asp Gly Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala
 20 25 30
 Ala Pro Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser
 35 40 45
 Lys Ser Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser
 50 55 60
 Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu
 65 70 75 80
 Glu Cys Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys
 85 90 95
 Arg Cys Asp Arg
 100

<210> 608
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 608
 Leu Ser Pro Ser Pro Arg Cys Cys Pro Trp Ala Ser Leu Met Lys Ala
 1 5 10 15
 Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met Thr Ser Glu Arg
 20 25 30
 Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile Pro Arg Arg Cys Asp His
 35 40 45
 Phe Cys Pro Pro Leu Leu Arg Ala Pro Leu Leu Ser His Ser Cys Val
 50 55 60
 Lys Leu Ala
 65

<210> 609
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 609

Gly Trp Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu
 1 5 10 15

Ser Thr Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro
 20 25 30

Arg Leu

<210> 610

<211> 33

<212> PRT

<213> Homo sapiens

<400> 610

Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro Asp
 1 5 10 15

Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser Cys
 20 25 30

Ser

<210> 611

<211> 25

<212> PRT

<213> Homo sapiens

<400> 611

Ser Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met
 1 5 10 15

Glu Glu Cys Asn Asn Trp Leu Thr Gly
 20 25

<210> 612

<211> 30

<212> PRT

<213> Homo sapiens

<400> 612

Leu Met Lys Ala Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met
 1 5 10 15

Thr Ser Glu Arg Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile
 20 25 30

<210> 613

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 613
 Ser Ser Ser Ser Pro Arg Arg Pro Arg Glu Leu Leu Gly Ser Leu Lys
 1 5 10 15
 Thr Pro Leu Val Arg Pro His Ser Ala Pro Leu Asp Leu Pro Gly Ser
 20 25 30
 Phe Cys Xaa His Thr Ala Asp Pro Met Gly Ala Leu His Thr Arg Phe
 35 40 45
 Trp Gly Arg Gln Thr Trp Ile His Arg Lys Leu Arg Leu His Gly Thr
 50 55 60
 Ser Arg Leu Ala Ser Lys Xaa Gly Ile Gln Phe Leu Arg Asn Pro Ser
 65 70 75 80
 Lys Thr His Thr Pro Arg Asp Ala Ala Phe Arg Asp Pro Gly Gln Thr
 85 90 95
 Pro Asp Pro Gln Ser Leu Gln Ala Pro Ser Pro Ser Lys Cys Ser Ala
 100 105 110
 Pro Asn Arg Ala Thr Ser Val Trp Ser Leu Lys Pro Arg Leu Leu Tyr
 115 120 125
 Lys His Arg Pro Ser Ser Asp Lys Thr Pro Pro Pro Gly Arg Gln Ala
 130 135 140
 Pro Leu Leu Phe Phe Ser Ala Gly
 145 150

<210> 614
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 614
 Phe Leu Arg Asn Pro Ser Lys Thr His Thr Pro Arg Asp Ala Ala Phe
 1 5 10 15
 Arg Asp Pro Gly Gln Thr Pro Asp Pro Gln Ser Leu Gln Ala
 20 25 30

<210> 615
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (155)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 615
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 1 5 10 15
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 20 25 30
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 35 40 45
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 50 55 60
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 65 70 75 80
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 85 90 95
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 100 105 110
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 115 120 125
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 130 135 140
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp
 145 150 155

<210> 616
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 616
 Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val
 1 5 10 15
 Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val
 20 25 30
 Ala Pro Val
 35

<210> 617
 <211> 25
 <212> PRT
 <213> Homo sapiens

 <400> 617
 Asn Asp Pro Asp Val Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu
 1 5 10 15

 Pro Leu Asp Pro Gly Asp Arg Val Ser
 20 25

<210> 618
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 618
 Phe His Val Val Lys Val Tyr Asn Arg Gln Thr
 1 5 10

<210> 619
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 619
 Ile Tyr Phe Asp Gln Val Leu Val Asn
 1 5

<210> 620
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 620
 Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1 5 10 15

 Thr Cys Gly Leu Gln Ser Pro Ser Ala
 20 25

<210> 621
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>

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> SITE
> (31)
> Xaa equals any of the naturally occurring L-amino acids
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>
> SITE
> (34)
> Xaa equals any of the naturally occurring L-amino acids
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>  
> SITE  
> (37)  
> Xaa equals any of the naturally occurring L-amino acids
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> 621
Met Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln
      5                      10                      15

Pro Met Gln Arg Gly Gly Ile Gly Ala Arg Gly Ser Xaa Xaa Pro
      20                      25                      30

Xaa Ala Val Xaa Gly Ala Arg Glu Gly Arg Arg Lys Leu Ser Gly
      35                      40                      45

Gly Phe Leu Cys Leu Lys Asp Leu Gly Pro Ser Glu Arg Glu Asp
      50                      55                      60

Glu Ala Arg Glu Thr
      70

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.0> 622
.1> 27
.2> PRT
.3> Homo sapiens
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JO> 622
: Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln Val
1      5      10      15
> Met Gln Arg Gly Gly Ile Gly Ala Arg Gly
      20      25

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10> 623
11> 185
12> PRT
13> Homo sapiens
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100> 623
.n Ala Thr Cys Ser Ala Ser Gly Ser Pro Gly Gln Phe Gly Gly Cys
      5      10      15
ur Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly Gln Gly
      20      25      30
au Arg Arg Ser Gln Arg Pro Gly Gln Ser His Arg Pro Arg Ser Pro
      35      40      45

```

Gly Pro Gly Arg Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro
50 55 60

Leu Leu Ala His Gly Gly Gly Phe Gly Pro Gln Gln Met Pro Leu Ala
65 70 75 80

Gln Gly Val Pro Leu Pro Gly Leu Leu Pro Arg Ala Pro Leu Gln Gln
85 90 95

Leu Gly Gln Ala His Arg Pro Pro Gly Thr Pro Pro Ala Gly Arg
100 105 110

Ala Leu Thr Pro Pro Gly Pro Thr Arg Pro Pro Gly Pro Glu Ala Pro
115 120 125

Glu Pro Arg Ala Ala Arg Asp Cys Val Gly Asp Leu Val Ala Ser Val
130 135 140

Ala Trp Leu Pro Thr Trp Leu Arg Gly Ser Ala Thr His Lys Cys Pro
145 150 155 160

Gly Leu Leu Pro Leu Phe Cys Phe Arg Ser Ser Pro Trp Ile Leu Thr
165 170 175

Ala Gly Thr Leu Ile Val Cys Pro Leu
180 185

<210> 624

<211> 25

<212> PRT

<213> Homo sapiens

<400> 624

Gly Cys Thr Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly
1 5 10 15

Gln Gly Leu Arg Arg Ser Gln Arg Pro
20 25

<210> 625

<211> 26

<212> PRT

<213> Homo sapiens

<400> 625

Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro Leu Leu Ala His
1 5 10 15

Gly Gly Gly Phe Gly Pro Gln Gln Met Pro
20 25

<210> 626

<211> 28

<212> PRT

<213> Homo sapiens

<400> 626

Asp Cys Val Gly Asp Leu Val Ala Ser Val Ala Trp Leu Pro Thr Trp
1 5 10 15

Leu Arg Gly Ser Ala Thr His Lys Cys Pro Gly Leu
20 25

<210> 627

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Asp Asp Arg Pro Arg Val Gln His Gln Ala His Leu Asp Ser Leu Ala
1 5 10 15

Val Val His Leu His His Met Glu Pro Glu Ala Val Asp Thr Pro Asp
20 25 30

Arg Gly Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val
35 40 45

His Gln Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly
50 55 60

Phe Pro Cys Trp Leu Met Val Val Ala Ser Asp Arg Xaa Lys Cys His
65 70 75 80

Ser Pro Arg Gly Cys Leu Ser Gln Gly Cys Ser Pro Gly Pro Pro Cys
85 90 95

Ser Ser Ser Ala Arg Leu Thr Asp His Gln Ala Leu Pro Leu Gln Gln
100 105 110

Asp Gly Leu
115

<210> 628

<211> 31

<212> PRT

<213> Homo sapiens

<400> 628

Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val His Gln
1 5 10 15

Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly Phe
20 25 30

<210> 629
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 629
 Met Ala Pro Leu Val Pro Leu Pro Val Ser Pro Ala Gly Ser Trp Trp
 1 5 10 15
 Trp Leu Arg Thr Ala Xaa Asn Ala Thr Arg Pro Gly Gly Ala Ser Pro
 20 25 30
 Arg Ala Ala Pro Pro Gly Pro Pro Ala Ala Ala Arg Pro Gly Ser Gln
 35 40 45
 Thr Thr Arg His Ser Pro Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp
 50 55 60
 Ala His Pro Ala Pro Arg Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro
 65 70 75 80
 Gly Leu Cys Arg Gly Pro Gly Ser Gln Cys Gly Leu Ala Pro Asn Met
 85 90 95
 Ala Glu Gly Leu Cys Asn Pro Gln Val Pro Arg Ser Ser Ala Pro Leu
 100 105 110
 Leu Phe Pro Leu Leu Ser Leu Asp Ser His Arg Arg His Pro Asp Ser
 115 120 125
 Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu Ser Ile Pro Val Ser Gln
 130 135 140
 Leu Cys Pro Ala Ser His Ser Tyr Ser Cys Cys His Cys Ser Ser
 145 150 155

<210> 630
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 630
 Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp Ala His Pro Ala Pro Arg
 1 5 10 15
 Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro Gly Leu Cys
 20 25

<210> 631
 <211> 27

<212> PRT

<213> Homo sapiens

<400> 631

Arg Arg His Pro Asp Ser Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu
1 5 10 15

Ser Ile Pro Val Ser Gln Leu Cys Pro Ala Ser
20 25

<210> 632

<211> 31

<212> PRT

<213> Homo sapiens

<400> 632

Ser Thr His Ala Ser Gly Pro Pro Ala Pro Glu Arg Leu Cys Leu Pro
1 5 10 15

Glu Arg Gly Thr Ala Pro Trp Gly Arg Arg Ala Asn Asp Ala Ala
20 25 30

<210> 633

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

10/02/83 10:07:01

<400> 633

Val Arg Arg Trp Trp Leu Arg Thr Met Gly Ala Ala Ala His Cys Thr
 1 5 10 15

Pro Glu Gln Arg Arg Pro Arg Arg Pro Ala Thr Ile Leu Gly Met Asp
 20 25 30

Thr Gln Asn Ile Leu His Thr Arg Leu Ser Leu Cys Ser Leu Ser Trp
 35 40 45

Val Ser Leu Ala Ser Ser Phe Xaa Xaa Leu Ala Xaa Arg Arg Lys Ala
 50 55 60

Ile Val Val Gln Gln Lys Gln Ser Lys Ile Ser Lys Lys Lys Lys Val
 65 70 75 80

Glu Lys Xaa Xaa Leu Asn Asp Ser Val Asn Glu Asn Ser Asp Thr Val
 85 90 95

Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu Ala Asn Ala Asp Val
 100 105 110

Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro
 115 120 125

Val Thr Pro Ser Thr Pro Gly Ser Pro Pro Val Ser Pro Gly Leu Cys
 130 135 140

His Gln Gly Gly Arg Gln Gly Ser Thr Ser Val Ala Ile Ile Cys Ile
 145 150 155 160

Arg Trp Ala Val Xaa Ser Arg Gly Met Cys Val Ile Gly Val Gly Thr
 165 170 175

Ser Gly Gly Thr Leu
 180

<210> 634

<211> 29

<212> PRT

<213> Homo sapiens

<400> 634

Ile Met Lys Asn Glu Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala
 1 5 10 15

Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro Val Thr Pro
 20 25

<210> 635

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 635

His Cys His Leu Trp Ala Ser Gly Ser Cys Leu Ala Cys Phe Phe Pro
 1 5 10 15

Gly Gly Leu Thr Arg Asp Ala Ala Gln Gln His Val Thr Lys Ser Tyr
 20 25 30

Ser Pro Pro Tyr Leu Ser Gln Thr Ser His Ser Cys Leu Val Phe Gln
 35 40 45

Pro Val Leu Trp Pro Glu Tyr Thr Phe Trp Asn Leu Phe Glu Ala Ile
 50 55 60

Leu Gln Phe Gln Met Asn His Ser Val Leu Gln Gln Xaa Gly Pro Arg
 65 70 75 80

His Val Cys Arg Gly Ala Glu Glu Ala Ala Gly Glu Gly Pro Gly
 85 90 95

Tyr Ser Asp Arg Ala Ala Ala Arg Gly Ala Pro Ser Gln Trp Gly
 100 105 110

Arg Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly
 115 120 125

Arg Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln Ala Ser
 130 135 140

<210> 636

<211> 28

<212> PRT

<213> Homo sapiens

<400> 636

Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly Arg
 1 5 10 15

Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln
 20 25

<210> 637

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 637

Thr Ile Ala Cys Phe Ser Xaa Lys Ala Arg Asp Met Tyr Ala Glu Glu

1 5 10 15

Arg Lys Arg Gln Gln Leu Glu Arg Asp Gln Ala Thr Val Thr Glu Gln
20 25 30

Leu Leu Arg Glu Gly Leu Gln Ala Ser Gly Asp Ala Gln Leu Arg Arg
35 40 45

Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg Val Gln Gly
50 55 60

Phe Leu Gln Ala Leu Glu Leu Lys Arg Ala Asp Trp Leu Ala Arg Leu
65 70 75 80

Gly Thr Ala Ser Ala
85

<210> 638

<211> 28

<212> PRT

<213> Homo sapiens

<400> 638

Leu Arg Arg Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg
1 5 10 15

Val Gln Gly Phe Leu Gln Ala Leu Glu Leu Lys Arg
20 25

<210> 639

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 639

Lys Met Asn Ser Ile Pro Trp Gln Ile Pro Lys Ile Thr Pro Xaa Leu
1 5 10 15

Asp Ala Asn Leu Val Ile Val Glu Cys Lys Pro Leu Trp Phe Cys Ile
20 25 30

Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln Val Phe Met Gly Phe
35 40 45

Lys Ser Met Phe Phe Arg Ile Gly Lys Leu Asn Tyr Leu Phe Thr Ile
50 55 60

Pro Tyr Cys Tyr Leu Phe Ile Asp Asn Ile Leu Gly Ile Phe Tyr Ser
65 70 75 80

Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln Arg Ile

85

90

95

Phe Thr Cys Leu Leu Asn Leu Asn Leu Lys Ile His Ser Asn Leu Ala
 100 105 110

<210> 640

<211> 27

<212> PRT

<213> Homo sapiens

<400> 640

Leu Trp Phe Cys Ile Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln
 1 5 10 15

Val Phe Met Gly Phe Lys Ser Met Phe Phe Arg
 20 25

<210> 641

<211> 26

<212> PRT

<213> Homo sapiens

<400> 641

Tyr Ser Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln
 1 5 10 15

Arg Ile Phe Thr Cys Leu Leu Asn Leu Asn
 20 25

<210> 642

<211> 9

<212> PRT

<213> Homo sapiens

<400> 642

Thr Phe Lys Leu Val Arg Phe Leu Glu
 1 5

<210> 643

<211> 32

<212> PRT

<213> Homo sapiens

<400> 643

Pro Arg Ser Arg Pro Ala Leu Arg Pro Gly Arg Gln Arg Pro Pro Ser
 1 5 10 15

His Ser Ala Thr Ser Gly Val Leu Arg Pro Arg Lys Lys Pro Asp Pro
 20 25 30

<213> Homo sapiens

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

Gln Val Xaa Met Ser Ala Ser Gly
115 120

<213> Homo sapiens

Pro Gly Thr Asp Tyr Leu Tyr Leu Phe
20 25

<210> 646

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 646
 Phe Gln His Cys Leu Thr Val Arg Trp Ala Phe Glu Ser Leu Gln Val
 1 5 10 15
 Pro Gln Asn Arg Pro Glu Arg Trp Ala Ser His Pro Leu Pro
 20 25 30

<210> 647
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 647
 Met Thr Leu Ile Thr Pro Ser Xaa Lys Leu Thr Phe Xaa Lys Gly Asn
 1 5 10 15
 Lys Ser Trp Ser Ser Arg Ala Cys Ser Ser Thr Leu Val Asp Pro
 20 25 30

<210> 648
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 648
 Phe Leu Phe Leu His Ala Val Asp Pro Trp Pro Ser Asn Gly
 1 5 10

<210> 649
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 649
 Trp Ser Cys Gln Ser Gly Val Phe Leu Val Phe Thr Gly Cys Ser Val
 1 5 10 15

Leu Cys Gln Met Leu Ser Gly Ala Val Val Val Trp Arg Arg Ser Ala
 20 25 30

Pro Glu Asp Ser Ala Val Trp Gln Ala Ser Ile Asn Lys Pro Arg Gly

35 40 45
 Lys Gly Arg His Gly Ile Lys Gly Glu Asn Thr Ser Val
 50 55 60

 <210> 650
 <211> 35
 <212> PRT
 <213> Homo sapiens

 <400> 650
 Leu Val Phe Thr Gly Cys Ser Val Leu Cys Gln Met Leu Ser Gly Ala
 1 5 10 15

 Val Val Val Trp Arg Arg Ser Ala Pro Glu Asp Ser Ala Val Trp Gln
 20 25 30

 Ala Ser Ile
 35

 <210> 651
 <211> 51
 <212> PRT
 <213> Homo sapiens

 <400> 651
 Gly His Pro Ser Pro Ala Leu Ser Ile Ala Pro Ser Asp Gly Ser Gln
 1 5 10 15

 Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala His Val Thr Arg Tyr
 20 25 30

 Cys Lys Lys Pro Leu Thr Asn Ser His Leu Glu Thr Glu Ala Gln Ser
 35 40 45

 Ser Ser Leu
 50

 <210> 652
 <211> 151
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 652
 Asn Asn Lys His Tyr Leu Ser Phe Cys Gly Ser Gly Phe Cys Pro Val

10004860.422701

1					5					10					15		
Tyr	Leu	Gly	Phe	Thr	Gly	Leu	Ala	Ser	His	Gln	Ala	Val	Lys	Val	Leu		
					20						25						30
Val	Val	Ala	Val	Ile	Ile	Pro	Arg	Gln	Asp	Arg	Glu	Arg	Ile	Cys	Leu		
					35						40						45
Gln	Ala	Gln	Val	Gly	Arg	Ile	His	Leu	Arg	Gly	Cys	Trp	Thr	Gly	Pro		
					50						55						60
Pro	Phe	Leu	Asp	Gly	Tyr	Trp	Ser	Glu	Ala	Phe	Tyr	Asn	Thr	Leu	Ser		
					65						70						75
Arg	Gly	Pro	Leu	His	Arg	Ala	Pro	His	His	Met	Ala	Thr	Gly	Phe	His		
					85						90						95
Gln	Arg	Glu	Gln	Trp	Lys	Glu	Gln	Glu	Lys	Gly	Asp	Gln	Gly	Arg	His		
					100						105						110
Arg	Ser	Leu	Leu	Val	Ala	Ser	Pro	Gln	Lys	Arg	Cys	Tyr	Phe	Cys	Cys		
					115						120						125
Ile	Leu	Xaa	Val	Arg	Ser	Glu	Ser	Leu	Gly	Pro	Gly	Val	Glu	Phe	Tyr		
					130						135						140
Xaa	Gly	Val	Asn	Gly	Arg	Arg											
					145						150						

<210> 653

<211> 32

<212> PRT

<213> Homo sapiens

<400> 653

Glu Arg Ile Cys Leu Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly
1 5 10 15

Cys Trp Thr Gly Pro Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe
20 25 30

<210> 654

<211> 26

<212> PRT

<213> Homo sapiens

<400> 654

Ser Asp Gly Ser Gln Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala
1 5 10 15

His Val Thr Arg Tyr Cys Lys Lys Pro Leu
20 25

<210> 655
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 655
 His Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg
 1 5 10 15
 His Arg Ser Leu Leu Val Ala Ser Pro Gln Lys
 20 25

<210> 656
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 656
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCCTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CTTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCQCA GTGTTTITTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 657
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 657
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCCTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CTTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTITTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 658
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 658
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60

GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCAGATG GCATTCCTT TGCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 659

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659

Phe Arg Ile Asn Arg Leu Thr Ile Gly Xaa Ala Val Ala Met Thr Arg
 1 5 10 15

Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser
 20 25 30

Asp Ser Val Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala
 35 40 45

Arg Lys Gln Arg Asp Ser Glu Ile
 50 55

<210> 660

<211> 29

<212> PRT

<213> Homo sapiens

<400> 660

Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys
 1 5 10 15

Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly Lys Arg
 20 25

<210> 661

<211> 110

<212> PRT

<213> Homo sapiens

<400> 661

Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe
 1 5 10 15

Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
 20 25 30

Arg Lys Arg Gln Thr Arg Arg Arg Arg Asn Pro Ser Ser Phe Val Ala
35 40 45

Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro
50 55 60

Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp
65 70 75 80

Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro
85 90 95

Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly
100 105 110

<210> 662

<211> 26

<212> PRT

<213> Homo sapiens

<400> 662

Leu Arg Glu Ser Ala Glu Met Thr Gly Phe Leu Leu Pro Pro Ala Ser
1 5 10 15

Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
20 25

<210> 663

<211> 30

<212> PRT

<213> Homo sapiens

<400> 663

Val Val Leu Thr Gly Pro Ser Thr Asp Gly Ile Pro Phe Ala Leu Ser
1 5 10 15

Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro Gln Val Ala
20 25 30

<210> 664

<211> 59

<212> PRT

<213> Homo sapiens

<400> 664

Leu Leu Ser Thr Ser His Leu Leu Thr Gln Ser Tyr Ser Phe Asn Lys
1 5 10 15

Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln Ser
20 25 30

Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile Tyr
35 40 45

Val His Phe Ile Cys Thr Phe Leu Cys Asp Ile
50 55

<210> 665
<211> 32
<212> PRT
<213> Homo sapiens

<400> 665
Lys Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln
1 5 10 15

Ser Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile
20 25 30

<210> 666
<211> 160
<212> DNA
<213> Homo sapiens

<400> 666
TGGCTCACTG TCTTACAATC ACTGCTGTGG AATCATGATA CCACTTTTAG CTCTTTGCAT 60
CTTCCTTCAG TGTATTTTGG TTTTCAAGA GGAAGTAGAT TTAACTGGA CAACCTTGAG 120
TACTGACATC ATTGATAAAT AAACGGCCT GTGGTTTCAA 160

<210> 667
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Leu Asp Glu Leu Met Ala His Leu Thr Glu Met Gln Ala Lys Val Ala
1 5 10 15

Val Arg Ala Asp Ala Gly Lys Lys His Leu Pro Asp Lys Gln Asp His
20 25 30

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln
35 40 45

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln
50 55 60

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu Gly Gln Ser Trp His

Lvs Pro Ile Ala Gly Lvs Val Ile His Ala Leu

35

40

<210> 669

<211> 50

<212> PRT

<213> Homo sapiens

<400> 669

Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys
 1 5 10 15

Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln Thr Trp
 20 25 30

His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe Gly Ala
 35 40 45

Glu Gly
 50

<210> 670

<211> 67

<212> PRT

<213> Homo sapiens

<400> 670

Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro
 1 5 10 15

Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala
 20 25 30

Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe
 35 40 45

Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe
 50 55 60

Cys Glu Leu
 65

<210> 671

<211> 46

<212> PRT

<213> Homo sapiens

<400> 671

Cys Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys
 1 5 10 15

Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser
 20 25 30

Lys Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln
 35 40 45

<210> 672
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672
 His Lys Ser Leu Ala Gly Ala Xaa Val Tyr Thr Thr Asn Ile Gln Glu
 1 5 10 15
 Leu Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro
 20 25 30
 Ser Lys Thr Ser Ala Ala Ala Gln Leu Asp Glu Leu Met Ala His Leu
 35 40 45
 Thr Glu Met Gln Ala Lys Val Ala Val Arg Ala Asp Ala Gly Lys Lys
 50 55 60
 His Leu Pro Asp Lys Gln Asp His Lys Ala Ser Leu Asp Ser Met Leu
 65 70 75 80
 Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile Ala Thr Val Pro
 85 90 95
 Lys Gly His Cys Ala Ser Cys Gln Lys Pro Ile Ala Gly Lys Val Ile
 100 105 110
 His Ala Leu Gly Gln Ser Trp His Pro Glu His Phe Val Cys Thr His
 115 120 125
 Cys Lys Glu Glu Ile Gly Ser Ser Pro Phe Phe Glu Arg Ser Gly Leu
 130 135 140
 Xaa Tyr Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala
 145 150 155 160
 Tyr Cys Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln
 165 170 175
 Thr Trp His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe
 180 185 190
 Gly Ala Glu Gly Phe His Glu Lys Asp Lys Lys Pro Tyr Cys Arg Lys
 195 200 205
 Asp Phe Leu Ala Met Phe Ser Pro Lys Cys Gly Gly Cys Asn Arg Pro

210

215

220

Val Leu Glu Asn Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu
 225 230 235 240

Cys Phe Val Cys Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly Ser Phe
 245 250 255

Phe Glu Leu Asp Gly Arg Pro Phe Cys Glu Leu His Tyr His His Arg
 260 265 270

Arg Gly Thr Leu Cys His Gly Cys Gly Gln Pro Ile Thr Gly Arg Cys
 275 280 285

Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val Cys Ala
 290 295 300

Phe Cys Leu Thr Gln Leu Ser Lys Gly Ile Phe Arg Glu Gln Asn Asp
 305 310 315 320

Lys Thr Tyr Cys Gln Pro Cys Phe Asn Lys Leu Phe Pro Leu
 325 330

<210> 673

<211> 22

<212> PRT

<213> Homo sapiens

<400> 673

Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro Ser
 1 5 10 15

Lys Thr Ser Ala Ala Ala
 20

<210> 674

<211> 26

<212> PRT

<213> Homo sapiens

<400> 674

Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile
 1 5 10 15

Ala Thr Val Pro Lys Gly His Cys Ala Ser
 20 25

<210> 675

<211> 26

<212> PRT

<213> Homo sapiens

<400> 675

Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys
 1 5 10 15

Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly
20 25

<210> 676

<211> 26

<212> PRT

<213> Homo sapiens

<400> 676

Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val
1 5 10 15

Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys
20 25

<210> 677

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 677

Pro Thr Arg Pro Val Leu Phe Phe Ser Thr Cys Gln Ser Cys Ser Ser
1 5 10 15

Arg Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu
20 25 30

Asp Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln Asp Ser Asp
35 40 45

Glu Tyr Ser Asn Pro Ala Pro Leu Pro Leu Asp Gln His Ser Arg Lys
50 55 60

Glu Thr Asn Leu Asp Glu Thr Ser Glu Ile Leu Ser Ile Gln Asp Asn
65 70 75 80

Thr Ser Pro Leu Pro Ala Xaa Ser Cys Ile Leu Pro Ile Ser Arg Ser
85 90 95

Ser Met Ser Thr Val Lys Pro Lys Ser Gln Arg Asn His His His Leu
100 105 110

Leu Lys Arg Gln Gln Leu Leu Ser Trp Met Ser Ser Trp Leu Thr
115 120 125

<210> 678

<211> 28

<212> PRT

<213> Homo sapiens

<400> 678

Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu Asp
 1 5 10 15

Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln
 20 25

<210> 679

<211> 21

<212> PRT

<213> Homo sapiens

<400> 679

Ser Cys Ile Leu Pro Ile Ser Arg Ser Ser Met Ser Thr Val Lys Pro
 1 5 10 15

Lys Ser Gln Arg Asn
 20

<210> 680

<211> 11

<212> PRT

<213> Homo sapiens

<400> 680

Trp His Pro Glu His Phe Val Cys Thr His Cys
 1 5 10

<210> 681

<211> 6

<212> PRT

<213> Homo sapiens

<400> 681

Leu Phe Ser Pro Arg Cys
 1 5

<210> 682

<211> 6

<212> PRT

<213> Homo sapiens

<400> 682

Pro Ile Leu Asp Lys Val
 1 5

<210> 683

<211> 8

<212> PRT

<213> Homo sapiens

<400> 683

Thr Trp His Pro Glu His Phe Phe
1 5

<210> 684
<211> 7
<212> PRT
<213> Homo sapiens

<400> 684
Glu Gly Phe His Glu Lys Asp
1 5

<210> 685
<211> 13
<212> PRT
<213> Homo sapiens

<400> 685
Lys Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu
1 5 10

<210> 686
<211> 7
<212> PRT
<213> Homo sapiens

<400> 686
Pro Ile Thr Gly Arg Cys Ile
1 5

<210> 687
<211> 7
<212> PRT
<213> Homo sapiens

<400> 687
His Pro Glu His Phe Val Cys
1 5

<210> 688
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
Arg Ile Tyr Cys Ser Glu Asp Thr Phe Ser Pro Xaa Ala Glu Ser Gly
1 5 10 15

Val Ser Trp Gln Ser Ser Val Ser Gln Leu Tyr Gln Asp Tyr Glu
 20 25 30

<210> 689

<211> 452

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 689

Met Gly Ser Ser Gln Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly
 1 5 10 15

Tyr His Val Leu Arg Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly
 20 25 30

Leu Glu Pro Phe Phe Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu
 35 40 45

Asn Lys Asp Asn Asp Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu
 50 55 60

Lys Pro Val Lys Met Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg
 65 70 75 80

Glu Thr Ser Val Thr Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu
 85 90 95

Gly Val Ser Ile Arg Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val
 100 105 110

Trp His Val Leu Glu Val Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly
 115 120 125

Leu Arg Pro His Ser Asp Tyr Ile Ile Gly Ala Asp Thr Val Met Asn
 130 135 140

Glu Ser Glu Asp Leu Phe Ser Leu Ile Glu Thr His Glu Ala Lys Pro
 145 150 155 160

Leu Lys Leu Tyr Val Tyr Asn Thr Asp Thr Asp Asn Cys Arg Glu Val
 165 170 175

Ile Ile Thr Pro Asn Ser Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys
 180 185 190

Gly Ile Gly Tyr Gly Tyr Leu His Arg Ile Pro Thr Arg Pro Phe Glu
 195 200 205

Glu Gly Lys Lys Ile Ser Leu Pro Gly Gln Met Ala Gly Thr Pro Ile
 210 215 220

Thr Pro Leu Lys Asp Gly Phe Thr Glu Val Gln Leu Ser Ser Val Asn

10044866.120701

225 230 235 240

Pro Pro Ser Leu Ser Pro Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu
 245 250 255

Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val Leu
 260 265 270

Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn Gln
 275 280 285

Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro Gly
 290 295 300

Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn Leu
 305 310 315 320

Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu Leu
 325 330 335

Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu
 340 345 350

Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe
 355 360 365

Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu
 370 375 380

Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr
 385 390 395 400

Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro
 405 410 415

Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser
 420 425 430

Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn Ala
 435 440 445

Ser Glu Ser Pro
 450

<210> 690

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 690

Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly Tyr His Val Leu Arg

1

5

10

15

Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly Leu Glu Pro Phe Phe
20 25 30

Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu Asn Lys Asp Asn Asp
35 40 45

Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu Lys Pro Val Lys Met
50 55 60

Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg Glu Thr Ser Val Thr
65 70 75 80

Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu Gly Val Ser Ile Arg
85 90 95

Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val Trp His
100 105

<210> 691

<211> 145

<212> PRT

<213> Homo sapiens

<400> 691

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
1 5 10 15

Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
20 25 30

Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
35 40 45

Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
50 55 60

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
65 70 75 80

Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
85 90 95

Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
100 105 110

Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
115 120 125

Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
130 135 140

Ser
145

<210> 692

<211> 145
 <212> PRT
 <213> Homo sapiens

<400> 692
 Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
 1 5 10 15
 Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
 20 25 30
 Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
 35 40 45
 Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
 50 55 60
 Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 65 70 75 80
 Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
 85 90 95
 Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
 100 105 110
 Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
 115 120 125
 Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
 130 135 140
 Ser
 145

<210> 693
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 693
 Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser Leu Pro
 1 5 10 15
 Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly Phe Thr
 20 25 30
 Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro Pro Gly
 35 40 45
 Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser Ser Thr
 50 55 60
 Pro Pro Ala Val Ser Ser Val Leu Ser Thr Gly Val Pro Thr Val Pro
 65 70 75 80
 Leu Leu Pro Pro Gln Val Asn Gln Ser Leu Thr Ser Val Pro Pro Met

85				90				95							
Asn	Pro	Ala	Thr	Thr	Leu	Pro	Gly	Leu	Met	Pro	Leu	Pro	Ala	Gly	Leu
			100						105					110	
Pro	Asn	Leu	Pro	Asn	Leu	Asn	Leu	Asn	Leu	Pro	Ala	Pro	His	Ile	Met
		115				120					125				
Pro	Gly	Val	Gly	Leu	Pro	Glu	Leu	Val	Asn	Pro	Gly	Leu	Pro	Pro	Leu
		130				135					140				
Pro	Ser	Met	Pro	Pro	Arg	Asn									
		145				150									

<210> 694
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 694															
Pro	Gly	Leu	Pro	Pro	Leu	Pro	Ser	Met	Pro	Pro	Arg	Asn	Leu	Pro	Gly
	1				5					10				15	
Ile	Ala	Pro	Leu	Pro	Leu	Pro	Ser	Glu	Phe	Leu	Pro	Ser	Phe	Pro	Leu
			20						25					30	
Val	Pro	Glu	Ser	Ser	Ser	Ala	Ala	Ser	Ser	Gly	Glu	Leu	Leu	Ser	Ser
		35					40					45			
Leu	Pro	Pro	Thr	Ser	Asn	Ala	Pro	Ser	Asp	Pro	Ala	Thr	Thr	Thr	Ala
		50				55						60			
Lys	Ala	Asp	Ala	Ala	Ser	Ser	Leu	Thr	Val	Asp	Val	Thr	Pro	Pro	Thr
		65				70					75				80
Ala	Lys	Ala	Pro	Thr	Thr	Val	Glu	Asp	Arg	Val	Gly	Asp	Ser	Thr	Pro
			85						90					95	
Val	Ser	Glu	Lys	Pro	Val	Ser	Ala	Ala	Val	Asp	Ala	Asn			
			100						105						

<210> 695
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 695															
Ala	Trp	Gly	Gly	Gly	Ser	Leu	Gly	Cys	Gly	Ile	Gly	Tyr	Gly	Tyr	
	1				5				10					15	
Leu	His	Arg	Ile	Pro	Thr										
			20												

<210> 696
 <211> 10

<213> Homo sapiens

Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro
1 5 10

<213> Homo sapiens

Trp Gly Gly Gln Gly Leu Leu Gly
1 5

<213> Homo sapiens

Arg Asn Gly Ala Leu Leu Asp Lys Asn Phe Phe Asn Ala Asn Ser His
1 5 10 15

Phe Pro Val Lys Gly Glu Arg Ile Arg Arg Arg
20 25

<213> Homo sapiens

<223> Xaa equals any of the naturally occurring L-amino acids

Arg Gly Ser Gly Phe Gly Trp Thr Ser Phe Pro Arg Pro Leu Pro Thr
1 5 10 15

Glu Leu Thr Cys Pro Gly Phe His Arg Glu Arg Ala Phe Pro Pro Asp
20 25 30

Gly Arg Val Arg Gly Val Arg Gly Trp Gly Ile Arg Arg Gly Cys Arg
35 40 45

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
50 55 60

Arg Gly Ser Ala His Arg Ala Ser Gly Pro Ala Asp Leu Pro Val Ala
65 70 75 80

Cys Arg Xaa Glu Gly Gly Ala Asp Ser Pro Ser Leu Leu Pro Ser Pro

85

90

95

Pro

<210> 700

<211> 23

<212> PRT

<213> Homo sapiens

<400> 700

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp

1

5

10

15

Arg Gly Ser Ala His Arg Ala

20

<210> 701

<211> 77

<212> PRT

<213> Homo sapiens

<400> 701

Tyr Arg Pro Thr Met Glu Lys Met Lys Gln Val Val Thr Gln Thr Arg

1

5

10

15

Trp Met Arg Pro Asp Ala Lys Arg Ala Asn Arg Arg His Arg Arg Ile

20

25

30

Ser Gly Lys Ile Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser

35

40

45

Arg Leu Leu Lys Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro Ser

50

55

60

Arg Pro Pro Trp Met Val Ser His Ser Val Glu Ala Ser

65

70

75

<210> 702

<211> 27

<212> PRT

<213> Homo sapiens

<400> 702

Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser Arg Leu Leu Lys

1

5

10

15

Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro

20

25

<210> 703

<211> 93

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 703

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Trp Ile Phe Gly Val Leu His Val Val His
 35 40 45

Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln
 50 55 60

Gly Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln
 65 70 75 80

Glu Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys
 85 90

<210> 704

<211> 55

<212> PRT

<213> Homo sapiens

<400> 704

Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val Val Thr Ala
 1 5 10 15

Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe Ile Phe Leu
 20 25 30

Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr Tyr Arg Leu
 35 40 45

Phe Lys Asn Val Pro Cys Cys
 50 55

<210> 705

<211> 26

<212> PRT

<213> Homo sapiens

<400> 705

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg
 20 25

<210> 706

<211> 66

<212> PRT

<213> Homo sapiens

<400> 706

Ile Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val
1 5 10 15

Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu
20 25 30

Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val
35 40 45

His Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe
50 55 60

Gln Gly
65

<210> 707

<211> 32

<212> PRT

<213> Homo sapiens

<400> 707

Glu Val Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu
1 5 10 15

Ala Leu Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His
20 25 30

<210> 708

<211> 86

<212> PRT

<213> Homo sapiens

<400> 708

Thr Thr Ile Leu Arg Thr Cys Thr Ile Val Cys Phe Tyr Tyr Trp Phe
1 5 10 15

Asn Gly Val Met Val Leu Leu Phe Phe Leu Asp Arg Asn Leu Leu Thr
20 25 30

Phe Asn Gln Ala Ser Ile Met Pro Phe Ser Asn Thr Asp Phe Leu His
35 40 45

Cys Leu Ser Phe Lys Lys Lys Leu Met Leu Leu Arg Tyr Ile Phe Tyr
50 55 60

Val Val Leu Thr Gly Pro Thr Leu Ser Leu Lys Gly Asp Glu Asn Gln
65 70 75 80

Ile Lys Asn Leu Phe Thr
85

10004360 120701

<210> 709
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 709
 Ile Val Cys Phe Tyr Tyr Trp Phe Asn Gly Val Met Val Leu Leu Phe
 1 5 10 15
 Phe Leu Asp Arg Asn Leu Leu
 20

<210> 710
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 710
 Leu Leu Arg Tyr Ile Phe Tyr Val Val Leu Thr Gly Pro Thr Leu Ser
 1 5 10 15
 Leu Lys Gly Asp Glu Asn Gln Ile
 20

<210> 711
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 711
 Ala Leu Thr Arg Ile Pro Pro Gly Asp Trp Val Ile Asn Val Thr Ala
 1 5 10 15
 Val Ser Phe Ala Gly Lys Thr Thr Ala Arg Phe Phe Xaa His Ser Ser
 20 25 30
 Pro Pro Ser Leu Gly Asp Gln Ala Arg Thr Asp Pro Gly His Gln Arg
 35 40 45

Arg Asp
 50

<210> 712
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 712
 Ser Met Leu Leu Leu Phe Pro Leu Gln Glu Arg Pro Gln Gln Asp Ser
 1 5 10 15
 Phe Ile Arg Leu Leu Ala Trp Gly Thr Arg Leu Glu Leu Thr Leu
 20 25 30

Asp Ile Lys Gly Gly Ile
35

<210> 713

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 713

Thr Gly Leu Trp Ala Asp Gly Phe Ser Ser His Ile Ile Pro Pro Leu
1 5 10 15

Met Ser Arg Val Ser Ser Ser Leu Val Pro Gln Ala Arg Arg Arg
20 25 30

Met Lys Glu Ser Cys Cys Gly Leu Ser Cys Lys Gly Asn Ser Ser Asn
35 40 45

Ile Asp Tyr Pro Val Thr Gly Arg Asn Ser Cys Glu Arg Ala Pro Leu
50 55 60

Cys Ala Phe Ala Leu His Phe Gln Glu Arg Thr Xaa Ile Thr Gly Xaa
65 70 75 80

Gly Glu Asp Pro Gly Pro Phe Gln Ser Xaa Gly Arg Val Thr Ala Ser
85 90 95

Arg Xaa Thr Leu Ala Cys Ser His Val Ala Met Thr Pro Ala Gly Cys
100 105 110

Xaa Gln Ala Leu Gly Thr Pro Ser Ser Tyr Cys Val Arg Lys Ala Pro

115

120

125

Arg Ala
130

<210> 714
<211> 28
<212> PRT
<213> Homo sapiens

<400> 714
Gln Ala Arg Arg Arg Arg Met Lys Glu Ser Cys Cys Gly Leu Ser Cys
1 5 10 15

Lys Gly Asn Ser Ser Asn Ile Asp Tyr Pro Val Thr
20 25

<210> 715
<211> 9
<212> PRT
<213> Homo sapiens

<400> 715
Leu Trp Arg Ser Ser Gly Val Glu Arg
1 5

<210> 716
<211> 27
<212> PRT
<213> Homo sapiens

<400> 716
Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp Tyr Glu
1 5 10 15

Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu
20 25

<210> 717
<211> 110
<212> PRT
<213> Homo sapiens

<400> 717
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His

Thr Ser Tyr Val Phe Ile Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr

20

25

30

Ser Thr Asp Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Val
 35 40 45

Pro Ile Arg Pro Lys Ser
 50

<210> 721

<211> 38

<212> PRT

<213> Homo sapiens

<400> 721

Gly Glu Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met
 1 5 10 15

Arg Ala Thr His Cys Gln Ala Ala Arg.Met Phe Val Leu Phe Ser Leu
 20 25 30

Pro Lys Tyr Ala Gly Leu
 35

<210> 722

<211> 39

<212> PRT

<213> Homo sapiens

<400> 722

Thr Ser Gly Ser Pro Gly Cys Arg Ile Arg His Glu Leu Pro Gly Glu
 1 5 10 15

Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met Arg Ala
 20 25 30

Thr His Cys Gln Ala Ala Arg
 35

<210> 723

<211> 128

<212> PRT

<213> Homo sapiens

<400> 723

Glu Pro Pro Ile Ala Lys Gln Gln Glu Cys Ser Cys Phe Phe Pro Phe
 1 5 10 15

Gln Asn Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys
 20 25 30

Leu Cys Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser
 35 40 45

Arg Gln Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln
 50 55 60

Asn Leu Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln
65 70 75 80

Pro His Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile
85 90 95

Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys
100 105 110

Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
115 120 125

<210> 724

<211> 31

<212> PRT

<213> Homo sapiens

<400> 724

Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys Phe Ser Cys Pro Cys Ser
1 5 10 15

Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln Gly Gly Arg Arg Phe
20 25 30

<210> 725

<211> 23

<212> PRT

<213> Homo sapiens

<400> 725

Asn Gln Phe Thr Ser Cys Ile Leu Phe Cys Asp Gly Gly His Trp Arg
1 5 10 15

Glu Leu Leu Phe Gln Ser Ile
20

<210> 726

<211> 101

<212> PRT

<213> Homo sapiens

<400> 726

Ala Met Ser Ser Lys Leu Leu Asn Leu Leu Ala Leu Leu Gln Tyr Ser
1 5 10 15

Val His Asp His Cys His Pro Arg Arg Leu Leu Lys Arg Gly Ala Arg
20 25 30

Ala Thr Leu Arg His Lys Gly Trp Gly Pro Ser Ser Leu Arg Gly Cys
35 40 45

Glu Ser Phe Gln Ile Val Leu Ile Gly Trp Gly Pro Asp Leu Ala Val
50 55 60

Gly Phe Gly Arg Gly Lys Leu Leu Ser Arg Ser Leu Pro Val Arg His
65 70 75 80

Gly Gly Val Ser Glu Phe Cys Leu Pro His Arg Asp Val Val Arg Leu
85 90 95

Glu Lys Val Lys Lys
100

<210> 727

<211> 33

<212> PRT

<213> Homo sapiens

<400> 727

Gly Pro Ser Ser Leu Arg Gly Cys Glu Ser Phe Gln Ile Val Leu Ile
1 5 10 15

Gly Trp Gly Pro Asp Leu Ala Val Gly Phe Gly Arg Gly Lys Leu Leu
20 25 30

Ser

<210> 728

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 728

Thr Arg Lys Asn Ile Asp Phe Xaa Glu Thr Glu Lys Tyr Tyr Leu Phe
1 5 10 15

Ser Phe Ser Asn Asn Val Ser Phe Lys Asn Phe Trp Leu Lys Tyr Asn
20 25 30

<210> 729

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 729

Met Pro Arg Lys Thr Ser Lys Cys Arg Gln Leu Leu Cys Ser Gly Ala
1 5 10 15

Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr Cys Ser Ser His
20 25 30

Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg Arg Xaa Pro Gly
35 40 45

Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser Thr Gly Ser Pro
50 55 60

Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg Gly Leu Pro Gly
65 70 75 80

Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser Phe Asn Pro Arg
85 90 95

Ala Gly His Ser Lys Ser Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala
100 105 110

Ser Arg Gln Asp Arg His Pro Val Ser His Trp Val Glu Arg Gln Arg
115 120 125

Glu Ala Trp Gly Ala Pro Arg Ser Ser Ser Ala Gly Gly Val Lys Val
130 135 140

Ala Ala Thr Thr Glu Arg Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys
145 150 155 160

Ala

<210> 730

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 730

<211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 733
 Thr Arg Ala Glu Ser Leu Phe Pro Leu Leu His Ala Phe Pro Val Phe
 1 5 10 15
 Ile Leu Asn Ser Gly Ser Leu Ser Val Val Ala Ala Thr Phe Thr Pro
 20 25 30
 Pro Ala Leu Leu Leu Leu Gly Ala Pro Gln Ala Ser Leu Cys Leu Ser
 35 40 45
 Thr Gln Trp Leu Thr Gly Cys Leu Ser Cys Leu Asp Ala Pro Leu Leu
 50 55 60
 Ser Cys Pro Ser Pro Trp Leu Leu Leu Cys Pro Ala Leu Gly Leu Lys
 65 70 75 80
 Leu Ala His Val Ser Pro Gly Val Met Ala Ala Pro Pro Gly Arg Pro
 85 90 95
 Leu Cys Ala Ser Arg Leu Pro His Leu Gly Ala Ala Gly Glu Pro Val
 100 105 110
 Leu Cys Ser Pro Arg Leu Leu Gly Thr Glu Leu Gln Pro Gly Xaa Leu
 115 120 125
 Arg Gly Pro Arg Leu Gly Ile Leu Pro Gly Gly Arg Trp Glu Glu Gln
 130 135 140
 Val Leu Cys Leu Ala Ala Val Ser Ala Phe Leu Asp Ala Pro Glu His
 145 150 155 160
 Arg Ser Cys Arg His Phe Glu Val Phe Leu Gly Met Cys Gln Ile Thr
 165 170 175

<210> 734
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 734
 Pro Ala Leu Gly Leu Lys Leu Ala His Val Ser Pro Gly Val Met Ala
 1 5 10 15
 Ala Pro Pro Gly Arg Pro Leu Cys Ala Ser Arg Leu Pro
 20 25

<210> 735
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 735
 Gly Gly Arg Trp Glu Glu Gln Val Leu Cys Leu Ala Ala Val Ser Ala
 1 5 10 15
 Phe Leu Asp Ala Pro Glu His Arg
 20

<210> 736
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 736
 Ser Trp Pro Met Cys Pro Pro Glu Ser Trp Leu Leu Leu Gly Gly
 1 5 10 15
 Leu Cys Val Arg His Val Phe His Thr Trp Gly Gln Leu Ala Ser Pro
 20 25 30
 Cys Ser Val Pro Leu Gly Cys Leu Ala Gln Ser Cys Ser Leu Gly Xaa
 35 40 45
 Ser Val Asp Pro Asp Trp Gly Phe Cys Gln Gly Gly Asp Gly Arg Ser
 50 55 60
 Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe Trp Thr Pro Gln Ser
 65 70 75 80
 Thr Glu Val Ala Gly Thr Leu Arg Ser Ser Ser Ala Cys Ala Arg Leu
 85 90 95
 His Glu

<210> 737
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 737
 Gly Asp Gly Arg Ser Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe
 1 5 10 15
 Trp Thr Pro Gln Ser Thr Glu Val Ala Gly Thr Leu Arg

20

25

<210> 738
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15
 Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30
 Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45
 Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60
 Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80
 Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
 85 90 95
 Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
 100 105 110
 Asn Tyr Val Gly Pro Pro Gly Gly Gly Pro Pro Gly Thr Pro Ile
 115 120 125
 Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
 130 135 140
 Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
 145 150 155 160
 Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
 165 170 175
 His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
 180 185 190
 Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
 195 200 205
 Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
 210 215 220
 Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
 225 230 235

<210> 739
 <211> 114
 <212> PRT

<400> 739

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr

<210> 740

<211> 81

<212> PRT

<213> Homo sapiens

<400> 740

Leu Asn Ala Leu Gly Gly Pro Gly Met Pro Gly Met Asn Met Gly Pro
1 5 10 15

Gly Gly Gly Arg Pro Trp Pro Asn Pro Thr Asn Ala Asn Ser Ile Pro
20 25 30

Tyr Ser Ser Ala Ser Pro Gly Asn Tyr Val Gly Pro Pro Gly Gly Gly
35 40 45

Gly Pro Pro Gly Thr Pro Ile Met Pro Ser Pro Ala Asp Ser Thr Asn
50 55 60

Ser Gly Asp Asn Met Tyr Thr Leu Met Asn Ala Val Pro Pro Gly Pro
65 70 75 80

ASD

<210> 741

<211> 70

<212> PRT

<213> Homo sapiens

<400> 741

Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser His His Met Asn Gly
 1 5 10 15

Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser Lys Asn Ser Pro Asn
 20 25 30

Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro Arg Asp Asp Gly Glu
 35 40 45

Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser Glu Ser Tyr Ser Pro
 50 55 60

Ser Met Thr Met Ser Val
 65 70

<210> 742

<211> 14

<212> PRT

<213> Homo sapiens

<400> 742

Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr
 1 5 10

<210> 743

<211> 19

<212> PRT

<213> Homo sapiens

<400> 743

Arg Arg Glu Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp
 1 5 10 15

Tyr Pro Phe

<210> 744

<211> 20

<212> PRT

<213> Homo sapiens

<400> 744

Thr Ile Thr Leu Phe Gln Ser Ala Trp Cys Phe Phe Ser Lys Tyr Cys
 1 5 10 15

Thr Asp Phe Thr
 20

<210> 745

<211> 105

<212> PRT

<213> Homo sapiens

<400> 745

Val Arg Gly Cys Glu Asp Gly Gly Gly Gly Ile Trp Gly Gly Trp
 1 5 10 15

Trp Pro Gly Gln Gln Met Ala Pro Pro Trp Leu Ser Cys Pro His Arg
 20 25 30

Gln Phe Pro His Phe His Ser Gly Arg Gln Arg Arg Gln Ser Asp Leu
 35 40 45

Leu Lys Glu Glu Leu Pro Gln Pro Ser Gly Ala Ala Gly Arg Ala Ser
 50 55 60

Gly Asn Lys Pro Tyr Thr Pro Pro Pro Ala Ser Asn Ser Leu Thr Leu
 65 70 75 80

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 85 90 95

Pro Ser Leu Asn Tyr Lys Asp Arg Gln
 100 105

<210> 746

<211> 25

<212> PRT

<213> Homo sapiens

<400> 746

Pro Trp Leu Ser Cys Pro His Arg Gln Phe Pro His Phe His Ser Gly
 1 5 10 15

Arg Gln Arg Arg Gln Ser Asp Leu Leu
 20 25

<210> 747

<211> 20

<212> PRT

<213> Homo sapiens

<400> 747

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 1 5 10 15

Pro Ser Leu Asn
 20

<210> 748

<211> 56

<212> PRT

<213> Homo sapiens

<400> 748

Arg Asp Ser Ser Leu Trp Ala Ala Ala Leu Ser Phe Arg Gln Gln Cys
 1 5 10 15

Ser Ser Leu Ala Ser Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg
20 25 30

Gln His Arg Ala Lys Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
35 40 45

Gly Arg Lys Val Asp Ala Val Val
50 55

<210> 749

<211> 27

<212> PRT

<213> Homo sapiens

<400> 749

Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg Gln His Arg Ala Lys
1 5 10 15

Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
20 25

<210> 750

<211> 86

<212> PRT

<213> Homo sapiens

<400> 750

Pro Glu His Gly Phe Ser Ser Cys Asp Phe Trp Glu Gly Ala Pro Ser
1 5 10 15

Ser Gly Pro Lys Glu Gly Gly Arg Ser Pro Pro Gln Leu Ala Cys Val
20 25 30

Trp Gly Met Asn Leu Ser Ser Pro Pro Cys Leu Ala Leu Leu Thr Asn
35 40 45

Arg Ala Cys Leu Ala Val Asn Trp His Arg Val Thr Leu Phe Pro Gly
50 55 60

Ile Gln Val Cys Asn Gln Asn Thr Gly Glu Glu Lys Leu Gln Asp Pro
65 70 75 80

Cys Pro His Leu Ser Ser
85

<210> 751

<211> 30

<212> PRT

<213> Homo sapiens

<400> 751

Arg Ser Pro Pro Gln Leu Ala Cys Val Trp Gly Met Asn Leu Ser Ser
1 5 10 15

Pro Pro Cys Leu Ala Leu Leu Thr Asn Arg Ala Cys Leu Ala

20

25

30

<210> 752

<211> 74

<212> PRT

<213> Homo sapiens

<400> 752

Cys Glu Arg Asp Ser Glu Thr Ser Ser Ile Ala Met Thr Cys Ile Lys
 1 5 10 15

His Lys Pro Pro Lys Gln Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe
 20 25 30

Arg Ser Ala Leu Pro Arg Val Cys Arg Cys His Met Ile Thr Val Gln
 35 40 45

Arg Glu Ala Phe Arg Thr His Thr Gly Cys Ser Thr Ser Val His Leu
 50 55 60

Pro Ser Arg Gly Gly Phe Leu Pro Asp Phe
 65 70

<210> 753

<211> 28

<212> PRT

<213> Homo sapiens

<400> 753

Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe Arg Ser Ala Leu Pro Arg
 1 5 10 15

Val Cys Arg Cys His Met Ile Thr Val Gln Arg Glu
 20 25

<210> 754

<211> 59

<212> PRT

<213> Homo sapiens

<400> 754

Gln Ala Phe Val Leu Leu Ser Asp Leu Leu Leu Ile Phe Ser Pro Gln
 1 5 10 15

Met Ile Val Gly Gly Arg Asp Phe Leu Arg Pro Leu Val Phe Phe Pro
 20 25 30

Glu Ala Thr Leu Gln Ser Glu Leu Ala Ser Phe Leu Met Asp His Val
 35 40 45

Phe Ile Gln Pro Gly Asp Leu Gly Ser Gly Ala
 50 55

<210> 755

<211> 43
 <212> PRT
 <213> Homo sapiens

<400> 755
 Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe Phe Ser Arg
 1 5 10 15
 Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr Asp Arg Phe
 20 25 30
 Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly
 35 40

<210> 756
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 756
 Gln Lys Gln Leu Ser Ser Leu Arg Asp Arg Met Val Ala Phe Cys Glu
 1 5 10 15
 Leu Cys Gln Ser Cys Leu Ser Asp Val Asp Thr Glu Ile Gln Glu Gln
 20 25 30
 Val Ser Thr
 35

<210> 757
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 757
 Gln Val Ile Leu Pro Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp
 1 5 10 15
 Thr Leu Thr His Ile Ser Lys Ser Asp Ala Ser
 20 25

<210> 758
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 758
 Ser Thr His Asp Leu Thr Arg Trp Glu Leu Tyr Glu Pro Cys Cys Gln
 1 5 10 15

Leu Leu Gln Lys Ala Val Asp Thr Gly Xaa Val Pro His Gln Val
 20 25 30

<210> 759

<211> 66

<212> PRT

<213> Homo sapiens

<400> 759

Thr Ser Phe Leu Phe Pro Leu Gln Ala Phe Val Leu Leu Ser Asp Leu
 1 5 10 15

Leu Leu Ile Phe Ser Pro Gln Met Ile Val Gly Gly Arg Asp Phe Leu
 20 25 30

Arg Pro Leu Val Phe Phe Pro Glu Ala Thr Leu Gln Ser Glu Leu Ala
 35 40 45

Ser Phe Leu Met Asp His Val Phe Ile Gln Pro Gly Asp Leu Gly Ser
 50 55 60

Gly Ala
 65

<210> 760

<211> 68

<212> PRT

<213> Homo sapiens

<400> 760

Gly Trp Gly Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe
 1 5 10 15

Phe Ser Arg Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr
 20 25 30

Asp Arg Phe Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly Ala Gly
 35 40 45

Ala Gly Gln Trp Asp Thr Pro Asn Lys Gly Gly Arg Gly Cys Lys Thr
 50 55 60

Gly Asp Val Asp
 65

<210> 761

<211> 78

<212> PRT

<213> Homo sapiens

<400> 761

Val Trp Val Leu Asp Gly Ile Met Gly Thr Glu Glu Ser Val Ser Ser
 1 5 10 15

Phe Phe Pro Phe Lys Pro Leu Cys Pro Gln Lys Gln Leu Ser Ser Leu

20

25

30

Arg Asp Arg Met Val Ala Phe Cys Glu Leu Cys Gln Ser Cys Leu Ser
35 40 45

Asp Val Asp Thr Glu Ile Gln Glu Gln Val Ser Thr Asp Ser Ser Gly
50 55 60

Ser Asn Lys Ala Ser Ile Pro Ala Pro Ile Pro Arg Arg Asn
65 70 75

<210> 762

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 762

Asn Ala Ser Leu Pro Ser Thr Ser Glu Trp Leu Ser Ser Ser Ser Pro
1 5 10 15

Ser Arg Phe Tyr Trp Cys Leu Trp Ser Trp Phe Pro Leu Phe Phe Ser
20 25 30

Ser Ile Thr Phe Pro Phe Leu Pro Gln Ser Thr His Asp Leu Thr Arg
35 40 45

Trp Glu Leu Tyr Glu Pro Cys Cys Gln Leu Leu Gln Lys Ala Val Asp
50 55 60

Thr Gly Xaa Val Pro His Gln Val Ser Gly Gln Ala Arg Asp Gly Leu
65 70 75 80

Gly Ala Gly Gly Leu Xaa Phe Lys Asp Leu Arg Ser Arg Trp Pro Leu
85 90 95

Gly Val Ser Ser Leu Ser Ala Trp Ser Gly Gln Ser Glu Glu Asp Gln
100 105 110

Val Gly Gly Gly His Leu Leu His Ser Ser Leu Arg Arg Trp Thr Leu
115 120 125

Leu Pro Gly Ser Ser Trp Ile Ser Trp Lys Pro Arg Ile Ile Leu Arg
130 135 140

Asp Ser Arg Arg Arg Arg Val Asn
145 150

<210> 763
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 763
 Val Leu Gly Glu Met Leu Leu Trp Ile Phe Phe Pro Ser Gln Ser Ser
 1 5 10 15
 Phe Leu Asp Glu Asp Glu Val Tyr Asn Leu Ala Ala Thr Leu Lys Arg
 20 25 30
 Leu Ser Ala Phe Tyr Lys
 35

<210> 764
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 764
 Pro Lys Pro His Phe Ser Asn Pro Leu Leu Leu Gln Val Ile Leu Pro
 1 5 10 15
 Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp Thr Leu Thr His Ile
 20 25 30
 Ser Lys Ser Asp Ala Ser Pro Gly Glu Cys Gly Ser
 35 40

<210> 765
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 765
 His Cys Gln Phe Leu Leu Gly
 1 5

<210> 766
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 766
 Glu Phe Gly Thr Ser Leu Val Ala Leu Glu Leu His Glu Leu Leu Tyr
 1 5 10 15
 His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr Val Val Ser
 20 25 30
 Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys Leu Leu Phe Asp Phe
 35 40 45

Val Leu Phe Leu Glu
50

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<210> 767
<211> 54
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 767
Thr Lys Pro Gly Met Val Gly His Val Pro Ile Val Pro Ala Thr Lys
   1                               10                          15
Xaa Ala Glu Ala Gly Gly Ser Pro Glu Pro Gly Ser Ser Thr Leu Gln
      20                                25                        30
Trp Pro Met Ile Thr Pro Cys Thr Pro Ser Trp Ala Thr Glu Pro Asp
     35                                 40                         45
His Val Ser Glu Asp Glu
    50

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<210> 768
<211> 30
<212> PRT
<213> Homo sapiens
```

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<400> 768
Leu Leu Tyr His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr
 1              5              10              15
Val Val Ser Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys
 20              25              30

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<210> 769
<211> 106
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 769
Leu Ala Val Ser Thr Ser Phe Ile Cys Cys Ala Asp Ile Ser Thr Ala
  1              5              10              15
Leu Pro Leu Gly Ser Ser Arg Pro Ala Pro Ala Pro Arg His Arg Glu
  20              25              30

```

His Glu His Gly His Gln Ala Arg Pro Pro Arg Leu Leu Xaa Thr Ser
 35 40 45
 Leu Met Pro Leu Ser Thr Pro Ala Ala Ala Gln Leu Leu Trp Thr Gln
 50 55 60
 Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser Pro Pro Thr
 65 70 75 80
 Leu His Thr Gly Pro Arg Ala Leu Pro Pro Gly Pro Pro His Pro Ser
 85 90 95
 Leu His Val Ala Ala Leu Ser Leu Leu Arg
 100 105

<210> 770
 <211> 85
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 770
 Ala Pro Ala Val Pro His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met
 1 5 10 15
 Gly Thr Lys Pro Gly Leu Pro Gly-Cys Ser Xaa Arg Pro Leu Cys His
 20 25 30
 Tyr Gln His Gln Leu Xaa Pro Ser Tyr Phe Gly His Ser Ser Pro Pro
 35 40 45
 Trp Gly Ala Val Leu Val Gly Val Thr Pro His Pro Arg Cys Thr Pro
 50 55 60
 Ala Pro Gly Pro Cys Arg Leu Gly Leu His Thr His Pro Cys Thr Trp
 65 70 75 80
 Gln Leu Cys Leu Cys
 85

<210> 771
 <211> 28
 <212> PRT
 <213> Homo sapiens
 <400> 771
 Cys Ala Asp Ile Ser Thr Ala Leu Pro Leu Gly Ser Ser Arg Pro Ala

1 5 10 15

Pro Ala Pro Arg His Arg Glu His Glu His Gly His
20 25

<210> 772
<211> 25
<212> PRT
<213> Homo sapiens

<400> 772
Trp Thr Gln Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser
1 5 10 15

Pro Pro Thr Leu His Thr Gly Pro Arg
20 25

<210> 773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 773
His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met Gly Thr Lys Pro Gly
1 5 10 15

Leu Pro Gly Cys
20

<210> 774
<211> 64
<212> PRT
<213> Homo sapiens

<400> 774
Ser Arg Gly Ser Leu Leu Pro Pro His Leu Pro His Arg Val Val Val
1 5 10 15

Arg Val His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile
20 25 30

Gly Ala Ala His Leu Gln Leu Pro Trp Asp Gly Lys Asp Pro Ala Arg
35 40 45

Pro Leu Gly Ile Thr Leu Cys Leu Gln Met Glu Ile Gln Val Leu Gly
50 55 60

<210> 775
<211> 150
<212> PRT
<213> Homo sapiens

<400> 775

Cys Cys Ser Phe Gly Phe Tyr Tyr Met Val Gly Ser Asp Thr Ala Glu
 1 5 10 15

Lys Gln Gly Pro Ile Pro Gly Ser Gln Thr Gln Glu Gly Pro Trp Leu
 20 25 30

Ser Arg His Thr His Ser Pro Arg Ala Val Pro Glu Ser Ser Thr Ala
 35 40 45

Pro Ala Gln Pro Leu Leu Leu Pro Leu Pro Ala Pro Gln Ala Arg Arg
 50 55 60

Trp Ala Ser Asn Ala Asn Gly Trp Gly Trp Asp His Gln Arg Glu Gly
 65 70 75 80

Gln Ala Asn Tyr Pro Tyr Ser Ala Arg Pro Ala Pro His Asn Leu His
 85 90 95

Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln Gly
 100 105 110

Ser Gly Trp Val Leu Pro Ile Pro Gly Gln Leu Lys Val Gly Gly Pro
 115 120 125

Tyr Ile Leu Pro Glu Gly Leu Gln Gly Leu Cys Ser Ser Val His Pro
 130 135 140

His Asn Asn Pro Val Arg
 145 150

<210> 776

<211> 25

<212> PRT

<213> Homo sapiens

<400> 776

His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile Gly Ala
 1 5 10 15

Ala His Leu Gln Leu Pro Trp Asp Gly
 20 25

<210> 777

<211> 21

<212> PRT

<213> Homo sapiens

<400> 777

Pro Ala Pro Gln Ala Arg Arg Trp Ala Ser Asn Ala Asn Gly Trp Gly
 1 5 10 15

Trp Asp His Gln Arg
 20

<210> 778
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 778
 His Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln
 1 5 10 15
 Gly Ser Gly Trp Val Leu Pro
 20

<210> 779
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 779
 Thr Asn Gly Ile Met Gln Tyr Val Thr Phe Cys Val Trp Leu Ile Leu
 1 5 10 15
 Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala Cys Ile Ser
 20 25 30
 Thr Ser Phe Leu Phe Leu Ala Glu Tyr Tyr Ser Ile Ile Trp Ile Tyr
 35 40 45
 His Asn Ser Phe Thr Tyr Ser Ser Phe Val Ser Ala Val Trp Leu Leu
 50 55 60

<210> 780
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 780
 Tyr Asn Phe Met Phe Asn Phe Ser Lys Asn Cys Gln Lys Val Phe His

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1           5           10          15
Ser Gly Cys Ile Ile Tyr Ile Pro Thr Gly Asn Val Gln Gly Phe Leu
                20                25                30
Phe Phe His Ile Leu Ala Leu Thr Asn Thr Ser Phe Xaa Xaa Xaa Phe
        35                40                45
Cys Phe Phe Ile Ile Ala Thr Leu Val Asp Val Lys Trp His Leu Ile
        50                55                60
Val Leu Ile Cys Ile Ser Leu Met Thr Asn Asp Ile Ile Leu Phe Leu
        65                70                75                80
Cys Ala Tyr Gly Ser Lys Val Phe Pro Trp Arg Asn Val Pro Ser Ser
                85                90                95
Pro Leu Pro Phe Gln Asn Leu Val Ile Cys Leu Leu Leu Phe Ser Phe
        100                105                110
Lys Lys Phe Trp Pro Gly Ala Val Ala His Leu
        115                120

<210> 781
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 781
Cys Val Thr Gln Ala Arg Val Gln Trp Arg Asp Leu Gly Ser Leu Gln
1           5           10          15
Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Ser
        20                25                30
Arg Xaa Asp Tyr Met His Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile
        35                40                45
Phe Ser Lys Met Gly Phe His His Val Gly Gln Ala Gly Leu Glu Val
        50                55                60
Leu Xaa Ser Ser Asp Leu Pro Ala Leu Ala Ser Gln Ser Ala Xaa Ile

```

65

70

75

80

Thr Gly Glu Pro Leu Arg Leu Ala Arg Ile Ser
85 90

<210> 782

<211> 25

<212> PRT

<213> Homo sapiens

<400> 782

Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Ser Lys Met Gly Phe
1 5 10 15

His His Val Gly Gln Ala Gly Leu Glu
20 25

<210> 783

<211> 24

<212> PRT

<213> Homo sapiens

<400> 783

Leu Ile Leu Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala
1 5 10 15

Cys Ile Ser Thr Ser Phe Leu Phe
20

<210> 784

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 784

Ala Leu Val Pro Ser Pro Gln Gln Ile Leu Pro Ser Cys Phe Ser Leu
1 5 10 15

Met Trp Gln Val Thr Thr Lys Ser Ala Leu Val Phe Phe Lys Cys Ile
20 25 30

Tyr Ile Pro Phe Leu Ser Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys
35 40 45

Leu Ile Phe Cys Ser Leu Asp Val Gln Ser Gln Leu Val Phe Leu Ser
50 55 60

Ser Pro Pro Val Ala Gly Val Leu Phe Phe Phe Leu Leu Ser Pro Leu
65 70 75 80

Gly Ser Lys Ser Cys Ser Thr Val Glu Xaa
85 90

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<210> 785
<211> 26
<212> PRT
<213> Homo sapiens
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<400> 785
Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys Leu Ile Phe Cys Ser Leu
1 5 10 15

Asp Val Gln Ser Gln Leu Val Phe Leu Ser
20 25

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<210> 786
<211> 13
<212> PRT
<213> Homo sapiens
```

<400> 786
Ser Ser Pro Ser Arg Val Arg Leu Arg His Thr Pro Gly
1 5 10

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<210> 787
<211> 76
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 787
Ser Asn Thr Asn Tyr Cys Phe Met Phe Phe Tyr Phe Pro Val Lys Val
1 5 10 15

Leu Val Pro Phe Lys Asn Cys Tyr Ile Leu Ser Leu Leu Ile Leu Pro
20 25 30

Cys Cys Ile Cys Gly His Gln Phe Pro Arg Xaa Gln Ala Cys Thr Phe
35 40 45

Cys Leu His Thr Leu Gly Gly Phe Ser Phe Ser Xaa Leu Phe Leu Val
50 55 60

Leu Leu Ser Phe Tyr Val Gln Thr Gly Phe Ser Val
65 70 75

<210> 788
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 788
 Gly Thr Ser Arg His Gly Gln Arg Pro Ile Ala Pro Gly Thr Pro Trp
 1 5 10 15
 Gln Arg Glu Pro Arg Val Glu Val Met Asp Pro Ala Gly Gly Pro Arg
 20 25 30
 Gly Val Leu Pro Arg Pro Cys Arg Xaa Leu Val Leu Leu Asn Pro Arg
 35 40 45
 Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Arg Ser His Val Gln Pro
 50 55 60
 Leu Leu Ala Glu Ala Glu Ile Ser Phe Thr Leu Met Leu Thr Glu Arg
 65 70 75 80
 Arg Asn His Ala Arg Glu Leu Val Arg Ser Glu Glu Leu Gly Arg Trp
 85 90 95
 Xaa Ala Leu Val Val Met Xaa Gly Asp Gly Leu Met His Glu Val Val
 100 105 110
 Asn Gly Leu His Gly Ala Ala
 115

<210> 789
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 789
 Arg Pro Ile Ala Pro Gly Thr Pro Trp Gln Arg Glu Pro Arg Val Glu
 1 5 10 15
 Val Met Asp Pro Ala Gly Gly Pro
 20

<210> 790
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 790
 Ala Ser Gly Pro Leu Met Gly Xaa Ala Val Leu Lys Ile Phe Glu
 1 5 10 15

<210> 791
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 791
 Leu Leu Arg Ser Ala Leu Xaa Ser Pro His Leu Pro Thr Pro Val Pro
 1 5 10 15

Leu Val

<210> 792
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 792

Gln Xaa Arg Asn Leu Ala Gln Glu Ala Phe Lys Trp Ile Pro Gln Asp
1 5 10 15

Arg Pro Thr Val Arg Ser Arg Xaa Arg Met Gly Leu Ser Ile Arg Leu
20 25 30

Pro Ile Leu Ala Ser Asn Cys Cys Ala Leu Pro Phe Xaa Xaa Pro Thr
35 40 45

Ser Pro Leu Gln Cys Leu Trp Ser Cys His Cys Ser Phe Gln Ala Asn
50 55 60

Thr Gly Leu Ala Ser
65

<210> 793

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 793

Gln Met Thr Gln Glu Pro Pro Thr Ser Val Arg Ala His Gly Ile Ala
1 5 10 15

Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys Arg Leu Ile Gln
20 25 30

Tyr Trp Pro Glu Ser Cys Ser Gly Met Thr Lys Gly Thr Gly Val Gly
35 40 45

Arg Trp Gly Glu Xaa Arg Ala Glu Arg Ser Ser
50 55

<210> 794

<211> 21

<212> PRT

<213> Homo sapiens

<400> 794

His Gly Ile Ala Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys
1 5 10 15

Arg Leu Ile Gln Tyr
20

<210> 795

<211> 13

<212> PRT
 <213> Homo sapiens

<400> 795
 Cys Glu Arg Ser Gly Tyr Thr Arg Met Ala Met Asp Thr
 1 5 10

<210> 796
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 796
 Thr Gly Ser Ile Leu Ala Val Gly Lys Lys Tyr Ser Leu Gly Ser Tyr
 1 5 10 15

Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg Gly Leu Gly
 20 25 30

Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly Ile Lys Pro Asn Lys Pro
 35 40 45

Gln Gly Arg Gly Lys Leu Gln Gly Arg Ser Ser Arg Lys Asp Thr Val
 50 55 60

Leu Trp Pro Ser Pro Glu His Pro His Met Val Ser Met Ala Ile Leu
 65 70 75 80

Val Tyr Pro Asp Leu Ser His Tyr Ser Asn Pro His Ser Thr Pro Ala
 85 90 95

Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly Glu Ile Leu Gly
 100 105 110

Leu Gln Arg Pro Gly Gln Trp Pro Glu Glu Arg Cys Asp Arg Pro Trp
 115 120 125

Leu Pro Pro Cys
 130

<210> 797
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 797
 Gly Ser Tyr Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg
 1 5 10 15

Gly Leu Gly Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly
 20 25

<210> 798
 <211> 27
 <212> PRT

<213> Homo sapiens

<400> 798

Ser Thr Pro Ala Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly
1 5 10 15

Glu Ile Leu Gly Leu Gln Arg Pro Gly Gln Trp
20 25

<210> 799

<211> 44

<212> PRT

<213> Homo sapiens

<400> 799

Thr Met Gly Thr Trp Val Asp Trp Leu Thr Thr Asn Thr Ala His Thr
1 5 10 15

Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu Asp Phe Pro Gln Arg His
20 25 30

Cys Gly Ser Val Glu Arg Ser Pro Asp Gln Ala Cys
35 40

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Thr Asn Thr Ala His Thr Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu
1 5 10 15

Asp Phe Pro Gln Arg His Cys
20

<210> 801

<211> 15

<212> PRT

<213> Homo sapiens

<400> 801

Met Ser Pro Glu Thr Lys Gly Lys Gly Arg Ser Phe Pro Leu Lys
1 5 10 15

<210> 802

<211> 82

<212> PRT

<213> Homo sapiens

<400> 802

Cys Gln Asn Lys Cys Ser Glu Thr Thr Cys Gly Arg Thr Arg Arg Glu
1 5 10 15

Ser Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp
 20 25 30

Leu Pro Phe Pro Phe Val Ser Gly Asp Ile Gln Pro Lys Ser Ser Gly
 35 40 45

Ser Met Ala Pro Asp Gln Gln Gly Leu Cys Tyr Leu Gly Ser Trp Arg
 50 55 60

Ser His Leu Tyr Cys Arg Leu Leu Pro Met Asp Gln Val Ser Pro Ala
 65 70 75 80

Leu Cys

<210> 803
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 803
 Lys Pro Ser Pro Gly Leu Ala Tyr Cys Ser Leu Ser Trp Ser Phe His
 1 5 10 15

Met Leu Phe Leu Asn Ile Cys Ser Gly Ile Thr Ile Pro Val Ile Leu
 20 25 30

Ser Ser Gly Pro Ser His Leu Ser Thr Leu Ser Leu Ala Val Ser Pro
 35 40 45

Arg Arg Pro Gly Thr Trp Val Lys Ala Cys Ser Cys Trp Cys Pro
 50 55 60

<210> 804
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 804
 Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp Leu
 1 5 10 15

Pro Phe Pro Phe Val Ser Gly Asp Ile
 20 25

<210> 805
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 805
 Tyr Leu Gly Ser Trp Arg Ser His Leu Tyr Cys Arg Leu Leu Pro Met
 1 5 10 15

Asp Gln Val Ser Pro

20

<210> 806
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 806
 Gly Ile Thr Ile Pro Val Ile Leu Ser Ser Gly Pro Ser His Leu Ser
 1 5 10 15

Thr Leu Ser Leu Ala Val Ser Pro Arg
 20 25

<210> 807
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 807
 Leu Glu Arg Leu Gly Val Gly Arg Gly Leu Glu
 1 5 10

<210> 808
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Asp Leu Pro Pro Cys Trp Thr Thr Leu Lys Glu His Gln Cys Phe Met
 1 5 10 15

Gln Tyr Gln Leu Phe Thr Ile Gln Cys Lys Val Val Glu Gln Thr Ile
 20 25 30

Cys Glu Asp Glu Arg Lys Met Glu Ser Thr Cys Leu Thr Leu Ala Xaa
 35 40 45

Pro Glu Ser Val Arg Gln Xaa Cys Pro Ala Thr Leu Trp Ser Ser Met
 50 55 60

Asn Ile Cys
 65

<210> 809
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Thr Asn Arg Val Xaa Leu Ser Trp Arg Lys Glu Glu Gln Arg Met Gly
 1 5 10 15
 Arg Thr Glu Thr Gly Ala Lys Asp Lys Gly Arg Asp Phe Leu Glu Arg
 20 25 30
 Gly Ser Arg Gly Trp Gln Leu Tyr Thr Gly Ala Ala Asp Thr Glu Glu
 35 40 45
 Val

<210> 810
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 810
 Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
 1 5 10 15
 Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
 20 25 30
 Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
 35 40 45
 Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
 50 55 60
 Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
 65 70 75 80
 Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
 85 90 95
 Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
 100 105 110
 Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
 115 120 125
 Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
 130 135 140
 Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu

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<210> 811
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 811
Ala Leu Leu Lys Tyr Arg Phe Phe Tyr Gln Phe Leu Leu Gly Asn Glu
  1                      5                      10                      15
Arg Ala Thr Ala Lys Glu Ile Arg Asp Glu Tyr Val Glu Thr Leu Ser
                      20                      25                      30
Lys Ile Tyr Leu Ser Tyr Tyr Arg Ser Tyr Leu Gly Arg Leu Met Lys
                      35                      40                      45
Val Gln Tyr Glu Glu Val Ala Glu Lys Asp Asp Leu Met Gly Val Glu
                      50                      55                      60
Asp Thr Ala Lys Lys Gly Phe Xaa Ser Lys Pro Ser Leu Arg Ser Arg
  65                      70                      75                      80
Asn Thr Ile Phe Thr Leu Gly Thr Arg Gly Ser Val Ile Ser Pro Thr
                      85                      90                      95
Glu Leu Glu Ala Pro Ile Leu Val Pro His Thr Ala Gln Arg
  100                      105                      110

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<210> 812
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Glu Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa
1 5 10 15

Leu Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe
20 25 30

Val Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly
35 40 45

Arg Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp
50 55 60

Cys Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg
65 70 75 80

Phe Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr
85 90 95

Trp

<210> 813

<211> 26

<212> PRT

<213> Homo sapiens

<400> 813

Gly Gly Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu
1 5 10 15

Phe Ser Ser Ala Leu Val Ser Ile Asn Gln
20 25

<210> 814

<211> 20

<212> PRT

<213> Homo sapiens

<400> 814

Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn Asn Tyr Asp Met Met
1 5 10 15

Leu Gly Val Leu
20

<210> 815

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 815

Ala	Leu	Leu	Lys	Tyr	Arg	Phe	Phe	Tyr	Gln	Phe	Leu	Leu	Gly	Asn	Glu
1					5				10					15	

Arg	Ala	Thr	Ala	Lys	Glu	Ile	Arg	Asp	Glu	Tyr	Val	Glu	Thr	Leu	Ser
		20						25						30	

Lys	Ile	Tyr	Leu	Ser	Tyr	Tyr	Arg	Ser	Tyr	Leu	Gly	Arg	Leu	Met	Lys
		35					40					45			

Val	Gln	Tyr	Glu	Glu	Val	Ala	Glu	Lys	Asp	Asp	Leu	Met	Gly	Val	Glu
	50					55					60				

Asp	Thr	Ala	Lys	Lys	Gly	Phe	Xaa	Ser	Lys	Pro	Ser	Leu	Arg	Ser	Arg
65					70					75					80

Asn	Thr	Ile	Phe	Thr	Leu	Gly	Thr	Arg	Gly	Ser	Val	Ile	Ser	Pro	Thr
		85							90					95	

Glu	Leu	Glu	Ala	Pro	Ile	Leu	Val	Pro	His	Thr	Ala	Gln	Arg	Xaa	Glu
		100						105						110	

Gln	Arg	Tyr	Pro	Phe	Glu	Ala	Leu	Phe	Arg	Ser	Gln	His	Tyr	Xaa	Leu
		115					120						125		

Leu	Asp	Asn	Ser	Cys	Arg	Glu	Tyr	Leu	Phe	Ile	Cys	Glu	Phe	Phe	Val
	130					135					140				

Val	Ser	Gly	Pro	Xaa	Ala	His	Asp	Leu	Phe	His	Ala	Val	Met	Gly	Arg
145				150					155					160	

Thr	Leu	Ser	Met	Thr	Leu	Lys	His	Leu	Asp	Ser	Tyr	Leu	Ala	Asp	Cys
			165					170						175	

Tyr	Asp	Ala	Ile	Ala	Val	Phe	Leu	Cys	Ile	His	Ile	Val	Leu	Arg	Phe
		180					185						190		

Arg	Asn	Ile	Ala	Ala	Lys	Arg	Asp	Val	Pro	Ala	Leu	Asp	Arg	Tyr	Trp
		195					200						205		

Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
210 215 220

Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
225 230 235 240

Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
245 250 255

Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
260 265 270

Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
275 280 285

Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
290 295 300

Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
305 310 315 320

Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
325 330 335

Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
340 345 350

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu
355 360 365

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe
370 375 380

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met
385 390 395 400

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser
405 410

<210> 816

<211> 82

<212> PRT

<213> Homo sapiens

<400> 816

Pro Ala Asp Leu Arg Ala Val Ser Gly Thr Ser Glu Val Gly Leu Met
1 5 10 15

Leu Leu Glu Leu His His Lys Val Val Asn Val Asp Glu Leu Ser Pro
20 25 30

Gly Arg Glu Gly Ser Glu Leu Arg Leu Gly Gln His Pro Val Glu Ala
35 40 45

Met Ile Glu Leu Asp Gln Leu Gly Gln Arg Ser Leu Asn Asp Thr Gly
50 55 60

Ala Ile Ser Glu Val Gly Glu Thr Pro His Tyr Ile Leu Thr Gln Arg
 65 70 75 80

Phe His

<210> 817
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 817
 Gly Pro His Pro Gly Ala Ser His Ser Ala Ala Xaa Glu Gln Arg Tyr
 1 5 10 15

Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu Leu Asp Asn
 20 25 30

Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val Val Ser Gly
 35 40 45

Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg Thr Leu Ser
 50 55 60

Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys Tyr Asp Ala
 65 70 75 80

Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe Arg Asn Ile
 85 90 95

Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp Gly Thr Gly
 100 105 110

Ala Cys Leu Ala Met Ala Thr Val
 115 120

<210> 818
 <211> 303
 <212> PRT
 <213> Homo sapiens

1004450.120701

<400> 818

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15
 Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30
 Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile
 290 295 300

<210> 819
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 819
 His Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His
 1 5 10 15

Lys Asp

<210> 820
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 820
 His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr Ile
 1 5 10 15

Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val Ala
 20 25 30

Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala Lys
 35 40 45

Ser

<210> 821
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 821
 Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser Glu Pro
 1 5 10 15

Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 20 25 30

<210> 822
 <211> 400
 <212> PRT
 <213> Homo sapiens

<400> 822
 Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30

Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His
 290 295 300
 Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His Lys
 305 310 315 320
 Asp His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr
 325 330 335
 Ile Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val

340

345

350

Ala Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala
 355 360 365

Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser
 370 375 380

Glu Pro Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 385 390 395 400

<210> 823

<211> 29

<212> PRT

<213> Homo sapiens

<400> 823

Leu Asn Leu Leu Leu Ile Thr Gln Lys Val Lys Cys Trp Asp Leu Gly
 1 5 10 15

Ile Pro Ala Phe Gln Ile His Leu Gln Val Val Val Gly
 20 25

<210> 824

<211> 29

<212> PRT

<213> Homo sapiens

<400> 824

Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu Gly
 1 5 10 15

Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro
 20 25

<210> 825

<211> 22

<212> PRT

<213> Homo sapiens

<400> 825

Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His Ile Ala Leu
 1 5 10 15

Ala Thr Leu Ala Leu Asn
 20

<210> 826

<211> 23

<212> PRT

<213> Homo sapiens

<400> 826

Val Gln Leu Ala Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr
 1 5 10 15

Ser Ser Val Ser Glu Pro Ala
 20

<210> 827

<211> 26

<212> PRT

<213> Homo sapiens

<400> 827

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn
 20 25

<210> 828

<211> 26

<212> PRT

<213> Homo sapiens

<400> 828

Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe Leu Asp
 1 5 10 15

Gln Val Ala Lys Phe Ile Ile Asp Asn Thr
 20 25

<210> 829

<211> 15

<212> PRT

<213> Homo sapiens

<400> 829

Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly Arg Tyr Val Pro Gly
 1 5 10 15

<210> 830

<211> 11

<212> PRT

<213> Homo sapiens

<400> 830

Thr Ala Asp Pro Phe Thr Gly Ala Gly Arg Tyr
 1 5 10

<210> 831

<211> 19

<212> PRT

<213> Homo sapiens

<400> 831

Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr Arg
1 5 10 15

Ser Ala Ala

<210> 832

<211> 9

<212> PRT

<213> Homo sapiens

<400> 832

Asn Ile Tyr Phe Pro Lys Lys Glu Ala
1 5

<210> 833

<211> 19

<212> PRT

<213> Homo sapiens

<400> 833

Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu Lys Glu
1 5 10 15

Leu Asn Gly

<210> 834

<211> 30

<212> PRT

<213> Homo sapiens

<400> 834

Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu Ser Ile
1 5 10 15

Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
20 25 30

<210> 835

<211> 31

<212> PRT

<213> Homo sapiens

<400> 835

Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly Lys Pro
1 5 10 15

Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe Val
20 25 30

<210> 836
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 836
 Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu Met Ser
 1 5 10 15
 His Ala Ile Glu Leu Lys Ser Gly Ser Asn
 20 25

<210> 837
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 837
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu
 20 25 30
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln
 35 40 45
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val
 50 55 60
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu
 65 70 75 80
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu
 85 90 95
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val
 100 105 110
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser
 115 120 125
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 130 135

<210> 838
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 838
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu

20	25	30
Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln		
35	40	45
Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val		
50	55	60
Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu		
65	70	75
Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu		
85	90	95
Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val		
100	105	110
Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser		
115	120	125
Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu Phe Ile Lys Thr Ile		
130	135	140

<210> 839
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 839
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu
 1 5 10

<210> 840
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 840
 Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile
 1 5 10

<210> 841
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 841
 Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 1 5 10 15

Phe Ile Lys Thr Ile
 20

<210> 842

<211> 18

<212> PRT

<213> Homo sapiens

<400> 842

Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn

1

5

10

15

Pro Pro

<210> 843

<211> 12

<212> PRT

<213> Homo sapiens

<400> 843

Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu

1

5

10

<210> 844

<211> 15

<212> PRT

<213> Homo sapiens

<400> 844

Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys

1

5

10

15

<210> 845

<211> 12

<212> PRT

<213> Homo sapiens

<400> 845

Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro

1

5

10

<210> 846

<211> 17

<212> PRT

<213> Homo sapiens

<400> 846

Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly Pro

1

5

10

15

Cys

<210> 847
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Pro Gly Arg Trp Arg Trp Gln Arg Asp Met His Pro Ala Arg Lys
 1 5 10 15
 Leu Leu Ser Leu Leu Phe Leu Ile Leu Met Gly Thr Glu Leu Thr Gln
 20 25 30

Asp

<210> 848
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 848
 Ser Ala Ala Pro Asp Ser Ser Leu Leu Arg Ser Ser Lys Gly Ser Thr Arg
 1 5 10 15
 Gly Ser Leu

<210> 849
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 849
 Ala Ala Ile Val Ile Trp Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys
 1 5 10 15
 Thr Pro Gly Ile
 20

<210> 850
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 850
 Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly Gly Gly
 1 5 10 15
 Asp

<210> 851
 <211> 20
 <212> PRT

<213> Homo sapiens

<400> 851

Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly Gln Leu Cys
1 5 10 15

Ala Leu Leu Ala
20

<210> 852

<211> 20

<212> PRT

<213> Homo sapiens

<400> 852

Phe Arg Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu
1 5 10 15

Trp Leu Ile Leu
20

<210> 853

<211> 28

<212> PRT

<213> Homo sapiens

<400> 853

Asn Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly
1 5 10 15

Pro Cys Met Pro Gly Arg Trp Arg Trp Gln Arg Asp
20 25

<210> 854

<211> 80

<212> PRT

<213> Homo sapiens

<400> 854

Tyr Ile Val Gln Gly Thr Thr Ser Pro Phe Glu Met Pro Thr Ile Pro
1 5 10 15

Thr Pro Ala Arg His Arg Ala Pro His Ser Pro Pro Ala Gly His Val
20 25 30

Ala Thr Ala Pro Gln Ala Leu His Ile Lys Pro Ala Met His Thr Ala
35 40 45

Gly Arg His Ala Gly Cys Pro Ser Arg Ser Gln Arg His Asn Pro His
50 55 60

Arg Leu Phe Leu Glu Pro Pro Arg Ala Ala Leu Cys Pro Lys Gly Gly
65 70 75 80

<210> 855
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 855
 Ala Ser Asn Ala His Ser Trp Pro Ala Arg Trp Leu Pro Phe Gln Val
 1 5 10 15

Ser Ala Ala Gln Ser Pro Pro Pro Val Ser Gly Ala Pro Lys Gly Ser
 20 25 30

Val Met Pro Lys Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly
 35 40 45

Arg Thr Lys Val Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala Ile
 50 55 60

Arg Leu Ser Leu Phe Pro Leu Gln Met Thr Ile Ala Ala Lys Asp Pro
 65 70 75 80

Leu Val Leu Pro Phe Glu Leu Leu Ser Arg Glu Ser Gly Ala Ala Glu
 85 90 95

Ser

<210> 856
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 856
 Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly Arg Thr Lys Val
 1 5 10 15

Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala
 20 25

<210> 857
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 857
 Gly His Gln Thr Ala Pro Glu Thr Pro Ser Arg Ser Asp
 1 5 10

<210> 858
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 858

Ser Gln Thr Asp Arg
1 5

<210> 859

<211> 22

<212> PRT

<213> Homo sapiens

<400> 859

Asn Ile Tyr Phe Lys Glu Lys Arg Lys Arg Gly Gly Ala Lys Met Ala
1 5 10 15Gly Ala Ile Ile Glu Asn
20

<210> 860

<211> 147

<212> PRT

<213> Homo sapiens

<400> 860

Val Tyr Leu Cys Ala Tyr Thr Ser Thr Ile Asn Val Thr Val Thr Thr
1 5 10 15Ala Asn Ala Lys Leu Ile Asn Met Cys Cys Leu Val Asp Ser Asn Thr
20 25 30Arg Ser Cys Val Val Ile Asp Glu Gly Ile Phe Arg Ser Ala Glu Gln
35 40 45Phe Leu Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe
50 55 60Thr Trp Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met
65 70 75 80Gly Trp Cys Ile Gln Glu His Gln Ser Lys Asp Ile Gln Ile Pro His
85 90 95Pro Ile Asp Ala Cys Glu Lys Gly Thr Val His Leu Asp Cys Asp Ala
100 105 110Ala Pro Phe Pro Met Ala Phe Arg Tyr Leu Thr Asn Asp Glu Glu Asp
115 120 125Asp Ser His Gly Ser Ala Gly Gln Gly Asp Lys His Glu Glu Leu Glu
130 135 140Pro Lys Asn
145

<210> 861

<211> 112

<212> PRT

<213> Homo sapiens

<400> 861

Lys Met Pro Cys Arg Met Ser Pro Asn Ser Ser Ile Gln Val Gln Ser
 1 5 10 15

Asn Pro Met Glu Asn His Ser Thr Gly Ile Leu Ile Lys Val Met Glu
 20 25 30

Ile Pro Arg Ala Lys Met Thr Phe Ser Arg Ser Thr Gly Gly Arg Asp
 35 40 45

Ile Met Val Ile Leu Leu Gln Tyr His Thr Ile Met Met Lys Met Leu
 50 55 60

Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro Pro
 65 70 75 80

Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile Pro
 85 90 95

Thr Leu Ile Phe Phe Phe Ser Phe Thr Gly Ser Arg Met Phe Lys Arg
 100 105 110

<210> 862

<211> 74

<212> PRT

<213> Homo sapiens

<400> 862

Thr Thr Lys Ser Glu Lys Met Gln Lys Ser Pro Trp Thr Phe Pro Trp
 1 5 10 15

Leu Thr Val Met Thr His Leu Leu Ser Gly Leu Lys Trp Pro Met Lys
 20 25 30

Glu Tyr His Gly Asn Ser Asn Ala Pro Ser His Leu Pro Arg Leu Gln
 35 40 45

Ser Met Arg Ala Val Thr Met Asn Val Met Ser Phe Leu Ser Trp Lys
 50 55 60

Leu Gly Leu Trp Pro Ile Ser Phe Thr Phe
 65 70

<210> 863

<211> 31

<212> PRT

<213> Homo sapiens

<400> 863

Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe Thr Trp

1 5 10 15
 Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met Gly
 20 25 30

<210> 864

<211> 29

<212> PRT

<213> Homo sapiens

<400> 864

Ser Ser Ile Gln Val Gln Ser Asn Pro Met Glu Asn His Ser Thr Gly
 1 5 10 15

Ile Leu Ile Lys Val Met Glu Ile Pro Arg Ala Lys Met
 20 25

<210> 865

<211> 33

<212> PRT

<213> Homo sapiens

<400> 865

Leu Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro
 1 5 10 15

Pro Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile
 20 25 30

Pro

<210> 866

<211> 9

<212> PRT

<213> Homo sapiens

<400> 866

Thr Met Ala Ser Met Gly Leu Gln Val
 1 5

<210> 867

<211> 167

<212> PRT

<213> Homo sapiens

<400> 867

Lys Ser Trp Met Met Leu Trp Ala Val Gln Asp Thr Gly Thr Ile Thr
 1 5 10 15

Ile Arg Pro Ala Asn Arg Asn Thr Thr Pro Ala Thr Ile Met Val Leu
 20 25 30

Ala Leu Ala Leu Ser Ser Ser Arg Gln Leu Val His Leu Pro Pro Thr

35 40 45
 Thr Asp Ser Ser Thr Pro Arg Ala Ala Thr Met Met Leu Met Met Thr
 50 55 60
 Arg Ala Arg Ala Ala Cys Arg Ser Cys Gly Ser Ala Ser Ser Glu Ser
 65 70 75 80
 Tyr Thr Leu His Cys Ile Trp Pro Val Leu Cys Thr Thr Gln Phe Ile
 85 90 95
 His Arg Pro Ser Gln Met Val Cys Glu Val Thr Met Leu Leu Pro Met
 100 105 110
 Lys Ala Val Thr Arg His Met Gly Ser Ala Gln His Ser Met Thr Ala
 115 120 125
 Ser Gln Pro Arg Thr Ala Ser Ala Met Pro Ile Thr Cys Ser Pro Met
 130 135 140
 Glu Ala Ile Val Gln Arg Pro Arg Glu Leu Arg Thr Trp Lys Ala Glu
 145 150 155 160
 Gly Ile Arg Leu Trp Gly Pro
 165
 <210> 868
 <211> 28
 <212> PRT
 <213> Homo sapiens
 <400> 868
 Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val
 1 5 10 15
 Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val Thr
 20 25
 <210> 869
 <211> 22
 <212> PRT
 <213> Homo sapiens
 <400> 869
 Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn
 1 5 10 15
 Cys Val Val Gln Ser Thr
 20
 <210> 870
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 870

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp
 1 5 10 15

Leu Gln

<210> 871

<211> 18

<212> PRT

<213> Homo sapiens

<400> 871

Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met
 1 5 10 15

Ile Val

<210> 872

<211> 32

<212> PRT

<213> Homo sapiens

<400> 872

Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val Ser
 1 5 10 15

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
 20 25 30

<210> 873

<211> 12

<212> PRT

<213> Homo sapiens

<400> 873

Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro Tyr
 1 5 10

<210> 874

<211> 14

<212> PRT

<213> Homo sapiens

<400> 874

Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu Glu
 1 5 10

<210> 875

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 875
 Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg
 1 5 10

<210> 876
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 876
 Val Val His Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg
 1 5 10 15
 Thr Gln Gly Phe Leu Ala Leu Phe
 20

<210> 877
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 877
 Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu Asp Ile Glu
 1 5 10 15

<210> 878
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
 Ala Gly Ile Arg Gln Arg Phe Ser Ala Arg Leu Trp Gln Leu Val Ser
 1 5 10 15

Ile Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp
 20 25 30

Val Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu
 35 40 45

Gly Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val
 50 55 60

Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile
 65 70 75 80

Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro
85 90 95

Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly
100 105 110

Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu
115 120 125

Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg Ser Ile
130 135 140

Gly Val Arg Ile Lys Glu Glu Thr Glu Ile Ile Glu Gly Glu Val Val
145 150 155 160

Glu Ile Gln Ile Asp Arg Pro Ala Thr Gly Thr Gly Ser Lys Val Gly
165 170 175

Lys Leu Thr Leu Lys Thr Thr Glu Met Glu Thr Ile Tyr Asp Leu Gly
180 185 190

Thr Lys Met Ile Xaa Ser Leu Thr Lys Asp Lys Val Gln Ala Gly Asp
195 200 205

Val Ile Thr Ile Asp Lys Ala Thr Gly Lys Ile Ser Lys Leu Gly Arg
210 215 220

Ser Phe Thr Arg Ala Arg Glu Leu Arg Arg Tyr Gly Leu Pro Asp Gln
225 230 235 240

Val Arg Ala Val Pro Arg Trp Gly Ala Pro Glu Thr Gln Gly Gly Gly
245 250 255

Ala His Arg Val Pro Ala Arg Asp Arg Arg His Gln Leu Ser His Pro
260 265 270

Gly Leu Pro Gly Ala Leu Leu Arg
275 280

<210> 879

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Ser Pro Ser Thr Arg Arg Arg Ala Arg Ser Pro Ser Trp Ala Ala Pro
1 5 10 15

Ser His Ala Pro Ala Asn Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe
20 25 30

Val Gln Cys Pro Asp Gly Glu Leu Gln Lys Arg Lys Glu Val Val His

35 40 45
 Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg Thr Gln Gly
 50 55 60
 Phe Leu Ala Leu Phe Ser Gly Asp Thr Gly Glu Ile Lys Ser Glu Val
 65 70 75 80
 Arg Glu Gln Ile Asn Ala Lys Val Ala Glu Trp Arg Glu Glu Gly Lys
 85 90 95
 Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu
 100 105 110
 Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser Asp Met
 115 120 125
 Ala Pro Val Gln Gln Val Tyr Gly Asp Ala Val Arg Ala Leu Val Ala
 130 135 140
 Gly Ala Pro Asp Ser Arg Asp Ala Thr Val Gly Gly Leu Val Pro Asn
 145 150 155 160
 Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg
 165 170 175
 Trp Xaa Ser

<210> 880

<211> 89

<212> PRT

<213> Homo sapiens

<400> 880

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Ala Thr Asn Arg Gly
 1 5 10 15

Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln Ser Pro His Gly Ile Pro
 20 25 30

Ile Asp Leu Leu Asp Arg Arg His Val Thr Leu Gln Gly Pro Val Glu
 35 40 45

Glu Gly Glu Ala Leu Asp Val Gln His Val Asp Leu Val Asp Glu Gln
 50 55 60

His Ser Arg Asp Asp Leu Arg Leu Ala Leu Leu Ala Pro Leu Ser His
 65 70 75 80

Leu Gly Ile Asp Leu Leu Thr Asp Phe
 85

<210> 881

<211> 30

<212> PRT

<213> Homo sapiens

<400> 881

Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe Val Gln Cys Pro Asp Gly
1 5 10 15

Glu Leu Gln Lys Arg Lys Glu Val Val His Thr Val Ser Leu
20 25 30

<210> 882

<211> 31

<212> PRT

<213> Homo sapiens

<400> 882

Lys Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met
1 5 10 15

Leu Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser
20 25 30

<210> 883

<211> 28

<212> PRT

<213> Homo sapiens

<400> 883

Glu Ala Thr Asn Arg Gly Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln
1 5 10 15

Ser Pro His Gly Ile Pro Ile Asp Leu Leu Asp Arg
20 25

<210> 884

<211> 22

<212> PRT

<213> Homo sapiens

<400> 884

Met Arg Ser Ala Arg Pro Ser Leu Gly Cys Leu Pro Ser Trp Ala Phe
1 5 10 15

Ser Gln Ala Leu Asn Ile
20

<210> 885

<211> 22

<212> PRT

<213> Homo sapiens

<400> 885

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
1 5 10 15

Glu Lys Gly Asn Phe Asn
20

<210> 886
<211> 26
<212> PRT
<213> Homo sapiens

<400> 886
Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr Leu Arg Leu
1 5 10 15

Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg
20 25

<210> 887
<211> 18
<212> PRT
<213> Homo sapiens

<400> 887
Thr Tyr Asn Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln
1 5 10 15

Arg Cys

<210> 888
<211> 43
<212> PRT
<213> Homo sapiens

<400> 888
Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
1 5 10 15

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
20 25 30

Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn
35 40

<210> 889
<211> 45
<212> PRT
<213> Homo sapiens

<400> 889
Ser Ile Tyr Glu Leu Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val
1 5 10 15

Leu Glu Tyr Ala Thr Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr
20 25 30

Ser Gln Ala Gly Phe Ser Gly Glu Asp Arg Leu Glu Gln
 35 40 45

<210> 890

<211> 92

<212> PRT

<213> Homo sapiens

<400> 890

Ala Lys Leu Phe Cys Arg Thr Leu Glu Asp Ile Leu Ala Asp Ala Pro
 1 5 10 15

Glu Ser Gln Asn Asn Cys Arg Leu Ile Ala Tyr Gln Glu Pro Ala Asp
 20 25 30

Asp Ser Ser Phe Ser Leu Ser Gln Glu Val Leu Arg His Leu Arg Gln
 35 40 45

Glu Glu Lys Glu Glu Val Thr Val Gly Ser Leu Lys Thr Ser Ala Val
 50 55 60

Pro Ser Thr Ser Thr Met Ser Gln Glu Pro Glu Leu Leu Ile Ser Gly
 65 70 75 80

Met Glu Lys Pro Leu Pro Leu Arg Thr Asp Phe Ser
 85 90

<210> 891

<211> 43

<212> PRT

<213> Homo sapiens

<400> 891

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
 1 5 10 15

Glu Lys Gly Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr
 20 25 30

Ile Gly Tyr Leu Arg Leu Ile Leu Pro Glu Leu
 35 40

<210> 892

<211> 76

<212> PRT

<213> Homo sapiens

<400> 892

Leu Arg Leu His Ser Glu Lys Leu Pro Leu Ala Ala Arg Ser Ala Gly
 1 5 10 15

Pro Ser Leu Leu Val Ile Ile Gln Ser Ser Gln Cys Pro Gly Gly Arg
 20 25 30

Arg Tyr Arg Gly Ser Tyr Trp Arg Thr Val Arg Ala Cys Leu Gly Cys

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35

40

45

Pro Leu Arg Arg Gly Ala Leu Leu Leu Leu Ser Ile Tyr Phe Tyr Tyr
50 55 60

Ser Leu Pro Asn Ala Val Gly Pro Pro Phe Thr Trp
65 70 75

<210> 893

<211> 133

<212> PRT

<213> Homo sapiens

<400> 893

Val Trp Leu Thr Pro Thr Phe Ala Ser Trp Ile Asn Cys Pro Ser Arg
1 5 10 15

Pro Val Thr Val Leu Ala Ser Arg Ile Gly Phe Thr Ala Thr Ala Ser
20 25 30

Met Ser Phe Trp Arg Thr Gly Ser Gly Arg Ala Pro Val Ser Trp Ser
35 40 45

Thr Pro Pro Pro Cys Arg Leu Cys Leu Pro Cys His Asn Thr Val Lys
50 55 60

Leu Ala Leu Ala Gly Arg Ile Gly Leu Ser Arg Pro Asn Ser Ser Ala
65 70 75 80

Gly His Leu Arg Thr Ser Trp Gln Met Pro Leu Ser Leu Arg Thr Thr
85 90 95

Ala Ala Ser Leu Pro Thr Arg Asn Leu Gln Met Thr Ala Ala Ser Arg
100 105 110

Cys Pro Arg Arg Phe Ser Gly Thr Cys Gly Arg Arg Lys Arg Lys Arg
115 120 125

Leu Leu Trp Ala Ala
130

<210> 894

<211> 87

<212> PRT

<213> Homo sapiens

<400> 894

Gly Val Cys Gln Val Ser Phe Met Gly Pro Ser Arg Pro Thr Pro His
1 5 10 15

Pro Ser Pro Leu Pro Leu Pro Gly Asp Ala Glu Leu Ser Gln Trp Tyr
20 25 30

Gln Gln Ala Pro Ser Pro Ser Gly Ser Trp Ser Cys Ser Ile Ile Gly
35 40 45

Glu Pro Gln Gln Lys Asn Gly Glu Glu Glu Glu Ala Glu Phe Gly Val
50 55 60

Leu Asn Pro Pro Ala Pro Thr Leu Gln His Gln Gly Cys Tyr Gly Leu
65 70 75 80

Ser Cys Arg Ala Thr Leu Ala
85

<210> 895

<211> 22

<212> PRT

<213> Homo sapiens

<400> 895

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
1 5 10 15

Tyr Arg His Phe Thr Asn
20

<210> 896

<211> 22

<212> PRT

<213> Homo sapiens

<400> 896

Thr Leu Ile Leu Ala Val Ala Ala Ser Ile Val Phe Ile Ile Trp Thr
1 5 10 15

Thr Met Lys Phe Arg Ile
20

<210> 897

<211> 28

<212> PRT

<213> Homo sapiens

<400> 897

Val Thr Cys Gln Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile
1 5 10 15

Trp Arg Leu Leu Phe Ser Met Ile Leu Phe Val Ile
20 25

<210> 898

<211> 27

<212> PRT

<213> Homo sapiens

<400> 898

Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Glu Asp Glu Gln
20 25

<210> 899
<211> 27
<212> PRT
<213> Homo sapiens

<400> 899
Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
20 25

<210> 900
<211> 35
<212> PRT
<213> Homo sapiens

<400> 900
Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys Met Arg Ser
1 5 10 15

Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys Ala Gln Glu
20 25 30

Asp Asp Leu
35

<210> 901
<211> 37
<212> PRT
<213> Homo sapiens

<400> 901
Lys Trp Val Glu Glu Asn Val Pro Ser Ser Val Thr Asp Val Ala Leu
1 5 10 15

Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg Met Ile Thr His Phe Glu
20 25 30

Arg Ser Lys Met Glu
35

<210> 902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 902
Asp Pro Arg Val Arg Leu Asn Ser Leu Thr Cys Lys His Ile Phe Ile
1 5 10 15

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Ser Leu Thr Gln
20

<210> 903
<211> 11
<212> PRT
<213> Homo sapiens

<400> 903
Asn Ala Phe Gly Arg His Ser Thr Ala Val Lys
1 5 10

<210> 904
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
Glu Ser Cys Leu Leu Cys Gly Ile Ser Glu Tyr Pro Ile Gln Arg Xaa
1 5 10 15

Ile Cys Pro Gly Cys Phe Asp Pro Cys Arg Xaa Ala Phe Ser Ser Glu
20 25 30

Thr Leu Thr Gly Ser Asn Pro Gly His His Ser Gln Ser Gly Ile Trp
35 40 45

His Arg Gln Ala Thr Pro Gly Val Thr Leu His Lys Val Val Val Ala
50 55 60

Xaa Ala Leu Tyr Leu Leu Phe Ser Gly Met Glu Gly Val Leu Arg Val
65 70 75 80

Thr Gly Ala Gln Thr Asp Leu Ala Ser Leu Ala Phe Ile Pro Leu Ala
85 90 95

Phe Leu Asp Thr Ala Leu Cys Trp Trp Ile Phe Ile Ser Leu Thr Gln
100 105 110

Thr Met Lys Leu Leu Lys Leu Arg Asn Ile Val Lys Leu Ser Leu
115 120 125

Tyr Arg His Phe Thr Asn Thr Leu Ile Leu Ala Val Ala Ala Ser Ile
130 135 140

Val Phe Ile Ile Trp Thr Thr Met Lys Phe Arg Ile Val Thr Cys Gln
145 150 155 160

Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile Trp Arg Leu Leu
165 170 175

Phe Ser Met Ile Leu Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala
180 185 190

Asn Asn Gln Arg Phe Ala Phe Ser Pro Leu Ser Glu Glu Glu Glu
195 200 205

Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys
210 215 220

Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys
225 230 235 240

Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser Ser
245 250 255

Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg
260 265 270

Met Ile Thr His Phe Glu Arg Ser Lys Met Glu
275 280

<210> 905

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Tyr Glu Pro Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
1 5 10

<210> 906

<211> 16

<212> PRT

<213> Homo sapiens

<400> 906

Ile Arg His Glu Leu Thr Val Leu Arg Asp Thr Arg Pro Ala Cys Ala
1 5 10 15

<210> 907
 <211> 10
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 907
 Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
 1 5 10

<210> 908
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 908
 Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala Leu Ser Asn Leu Glu
 1 5 10 15

Ser Ile Pro Gly Gly Tyr Asn Ala
 20

<210> 909
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 909
 Leu Arg Arg Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 1 5 10 15

Gln Glu Gln Phe Gly Gly Asn Pro Phe
 20 25

<210> 910
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 910
 Ala Ser Leu Val Ser Asn Thr Ser Ser Gly Glu Gly Ser Gln Pro Ser
 1 5 10 15

Arg Thr Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala Pro Gln Thr
 20 25 30

<210> 911
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 911
 Ser Gln Ser Ser Ser Ala Ser Ser Gly Thr Ala Ser Thr Val Gly Gly
 1 5 10 15
 Thr Thr Gly Ser Thr Ala Ser Gly Thr Ser Gly Gln Ser Thr Thr Ala
 20 25 30
 Pro Asn Leu Val Pro Gly Val Gly Ala Ser Met Phe Asn Thr Pro Gly
 35 40 45
 Met Gln Ser Leu Leu Gln Gln Ile Thr Glu Asn Pro Gln Leu Met Gln
 50 55 60
 Asn Met Leu Ser Ala Pro Tyr
 65 70

<210> 912
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 912
 Met Arg Ser Met Met Gln Ser Leu Ser Gln Asn Pro Asp Leu Ala Ala
 1 5 10 15
 Gln Met Met Leu Asn Asn Pro Leu Phe Ala Gly Asn Pro Gln Leu Gln
 20 25 30
 Glu Gln Met Arg Gln Gln Leu Pro Thr Phe Leu Gln Gln
 35 40 45

<210> 913
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 913
 Met Gln Asn Pro Asp Thr Leu Ser Ala Met Ser Asn Pro Arg Ala Met
 1 5 10 15
 Gln Ala Leu Leu Gln Ile Gln Gln Gly Leu Gln Thr Leu Ala Thr Glu
 20 25 30
 Ala Pro Gly Leu Ile Pro Gly Phe Thr Pro Gly Leu Gly Ala Leu Gly
 35 40 45
 Ser Thr Gly Gly Ser Ser Gly Thr Asn Gly Ser Asn Ala Thr Pro Ser
 50 55 60
 Glu Asn Thr Ser Pro Thr Ala Gly Thr

65

70

<210> 914

<211> 72

<212> PRT

<213> Homo sapiens

<400> 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915

<211> 45

<212> PRT

<213> Homo sapiens

<400> 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916

<211> 13

<212> PRT

<213> Homo sapiens

<400> 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917

<211> 11

<212> PRT

<213> Homo sapiens

<400> 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

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1 5 10

<210> 918
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 918
 Gly Lys Ile Leu Lys Asp Gln Asp Thr Leu Ser Gln His Gly Ile His
 1 5 10 15

Asp

<210> 919
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 919
 Gly Leu Thr Val His Leu Val Ile Lys Thr Gln Asn Arg Pro
 1 5 10

<210> 920
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 920
 Ser Glu Leu Gln Ser Gln Met Gln Arg Gln Leu Leu Ser Asn Pro Glu
 1 5 10 15

Met Met

<210> 921
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 921
 Pro Glu Ile Ser His Met Leu Asn Asn Pro Asp Ile Met Arg
 1 5 10

<210> 922
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 922
 Arg Gln Leu Ile Met Ala Asn Pro Gln Met Gln Gln Leu Ile Gln Arg
 1 5 10 15

Asn Pro

<210> 923
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 923
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 924
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 924
 Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu Cys Leu Ala
 1 5 10 15

Phe Val Glu Ser Lys Phe Asn
 20

<210> 925
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 925
 Asn Glu Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn
 1 5 10 15

Ser His Tyr Trp Cys Asn
 20

<210> 926
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 926
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 927
 <211> 13

10004860-10701

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
35 40 45

Val Val Lys Val Gln Tyr Pro Asp Ala Lys Pro Val
50 55 60

<210> 932
<211> 52
<212> PRT
<213> Homo sapiens

<400> 932
Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
35 40 45

Val Val Lys Val
50

<210> 933
<211> 60
<212> PRT
<213> Homo sapiens

<400> 933
Gly Cys Asn His Met Val Cys Arg Asn Gln Asn Cys Lys Ala Glu Phe
1 5 10 15

Cys Trp Val Cys Leu Gly Pro Trp Glu Pro His Gly Ser Ala Trp Tyr
20 25 30

Asn Cys Asn Arg Tyr Asn Glu Asp Asp Ala Lys Ala Ala Arg Asp Ala
35 40 45

Gln Glu Arg Ser Arg Ala Ala Leu Gln Arg Tyr Leu
50 55 60

<210> 934
<211> 60
<212> PRT
<213> Homo sapiens

<400> 934
Phe Tyr Cys Asn Arg Tyr Met Asn His Met Gln Ser Leu Arg Phe Glu
1 5 10 15

His Lys Leu Tyr Ala Gln Val Lys Gln Lys Met Glu Glu Met Gln Gln
20 25 30

His Asn Met Ser Trp Ile Glu Val Gln Phe Leu Lys Lys Ala Val Asp
35 40 45

Val Leu Cys Gln Cys Arg Ala Thr Leu Met Tyr Thr
 50 55 60

<210> 935
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 935
 Tyr Val Phe Ala Phe Tyr Leu Lys Lys Asn Asn Gln Ser Ile Ile Phe
 1 5 10 15

Glu Asn Asn Gln Ala Asp Leu Glu Asn Ala Thr Glu Val Leu Ser Gly
 20 25 30

Tyr Leu Glu Arg Asp Ile Ser Gln Asp Ser Leu Gln Asp Ile Lys Gln
 35 40 45

Lys Val Gln Asp Lys Tyr Arg Tyr Cys Glu Ser Arg
 50 55 60

<210> 936
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 936
 Thr Gly Leu Glu Cys Gly His Lys Phe Cys Met Gln Cys Trp Ser Glu
 1 5 10 15

Tyr Leu Thr Thr Lys Ile Met Glu Glu Gly Met Gly Gln Thr Ile Ser
 20 25 30

Cys Pro Ala His Gly
 35

<210> 937
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 937
 Met Trp Gly Tyr Leu Phe Val Asp Ala Ala Trp Asn Phe Leu Gly Cys
 1 5 10 15

Leu Ile Cys Gly Trp
 20

<210> 938
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Met His Phe Ile Ser Ser Gly Asn Val Ser Ala Ile Arg Ser Ser Ile
1 5 10 15Leu Leu Leu Arg Xaa Ser Leu Ser Tyr Leu Gly Asn Cys Leu Arg Val
20 25 30Ser Ala Ile Phe Val Tyr Phe Leu Leu Phe Leu Leu Ser
35 40 45

<210> 939

<211> 80

<212> PRT

<213> Homo sapiens

<400> 939

Met Asp Gln Ala Leu Arg Gly Ser Pro Ser Glu Gly Phe Ser Thr Asp
1 5 10 15Pro Ser Pro Pro Gln Val Gly Arg Gln Ile Pro Ser Phe Pro Pro Trp
20 25 30Arg Arg Leu Val Leu Pro Lys Ala Ser Gly Cys Phe Leu Glu Arg Glu
35 40 45Trp Trp Leu Cys Val Phe Lys Leu Arg Thr Arg Pro Gly Ala Glu Ala
50 55 60His Ala Tyr Asn Ser Ser Ile Leu Gly Gly Arg Gly Lys Gly Ile Thr
65 70 75 80

<210> 940

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp

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<210> 941
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941
Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala Ser
 1                      5                      10                      15
Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala Lys
      20                      25                      30
Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Xaa Pro
      35                      40                      45
Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn Glu
      50                      55                      60
Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
      65                      70                      75

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20 25 30

Pro Pro Leu Asn His Leu Leu Pro
35 40

<210> 943
<211> 28
<212> PRT
<213> Homo sapiens

<400> 943
Ala Val Pro Gln Ala Gly Gly Lys Gln Val Phe Asp Leu Ser Pro Leu
1 5 10 15

Glu Leu Gly Tyr Val Arg Gly Met Cys Val Cys Val
20 25

<210> 944
<211> 207
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944
Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp
35 40 45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser
130 135 140

Pro Ala Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly
145 150 155 160

Ala Ala Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly
165 170 175

Cys Xaa Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala
180 185 190

Met Asn Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
195 200 205

<210> 945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Leu Leu Cys Pro Val Leu Asn Ser Gly Xaa Ser Trp Asn Phe Pro His
1 5 10 15

Pro Ser Gln Pro Glu Tyr Ser Phe His Gly Phe His Ser Thr Arg Leu
20 25 30

Trp Ile

<210> 946

<211> 28

<212> PRT

<213> Homo sapiens

<400> 946

Pro Ser Thr Pro Trp Phe Leu Phe Leu Leu Gly Leu Thr Cys Pro Phe
1 5 10 15

Ser Thr Ser His Pro Arg Trp Asp Ser Ile Pro Pro
20 25

<210> 947

<211> 227

<212> PRT

<213> Homo sapiens

<400> 947

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu

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400> 948
Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu
 1          5          10          15
Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu
 20          25          30
Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys

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35

40

45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser
 50 55 60

<210> 949

<211> 65

<212> PRT

<213> Homo sapiens

<400> 949

Cys Gln Ser Ser Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys
 1 5 10 15

Gly Asp Gln Glu Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro
 20 25 30

Asn Gly Lys Thr Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr
 35 40 45

Arg Glu Asp Asp Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser
 50 55 60

Leu

65

<210> 950

<211> 58

<212> PRT

<213> Homo sapiens

<400> 950

His Glu Ser Leu Lys Gly Ala Asp Arg Ser Thr Ser Gln Arg Ile Glu
 1 5 10 15

Val Leu Tyr Thr Pro Thr Ala Met Ile Arg Pro Asp Pro Pro His Pro
 20 25 30

Arg Glu Gly Gln Lys Leu Leu Leu His Cys Glu Gly Arg Gly Asn Pro
 35 40 45

Val Pro Gln Gln Tyr Leu Trp Glu Lys Glu
 50 55

<210> 951

<211> 52

<212> PRT

<213> Homo sapiens

<400> 951

Trp Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser
 1 5 10 15

10004850.120701

Ala Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly
20 25 30

Cys Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu
35 40 45

Asn Val Asn Asp
50

<210> 952
<211> 36
<212> PRT
<213> Homo sapiens

<400> 952
Pro Ser Pro Val Pro Ser Ser Ser Ser Thr Tyr His Ala Ile Ile Gly
1 5 10 15

Gly Ile Val Ala Phe Ile Val Phe Leu Leu Ile Met Leu Ile Phe
20 25 30

Leu Gly His Tyr
35

<210> 953
<211> 44
<212> PRT
<213> Homo sapiens

<400> 953
Leu Ile Arg His Lys Gly Thr Tyr Leu Thr His Glu Ala Lys Gly Ser
1 5 10 15

Asp Asp Ala Pro Asp Ala Asp Thr Ala Ile Ile Asn Ala Glu Gly Gly
20 25 30

Gln Ser Gly Gly Asp Asp Lys Lys Glu Tyr Phe Ile
35 40

<210> 954
<211> 123
<212> PRT
<213> Homo sapiens

<400> 954
Val Pro Glu Leu Pro Asp Arg Val His Gln Leu His Gln Ala Val Gln
1 5 10 15

Gly Cys Ala Leu Gly Arg Pro Gly Phe Pro Gly Gly Pro Thr His Ser
20 25 30

Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly Asp Tyr Asn Arg
35 40 45

10004667-10707

Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro Arg Gly Thr Gly
50 55 60

Arg Arg Gly Gln Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg
65 70 75 80

Ala Cys Pro Ser Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro
85 90 95

Cys Pro Ser Pro Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser
100 105 110

Trp Cys Gly Leu Pro Gly Tyr Thr Ser Ser Ser
115 120

<210> 955

<211> 22

<212> PRT

<213> Homo sapiens

<400> 955

Val His Gln Leu His Gln Ala Val Gln Gly Cys Ala Leu Gly Arg Pro
1 5 10 15

Gly Phe Pro Gly Gly Pro
20

<210> 956

<211> 42

<212> PRT

<213> Homo sapiens

<400> 956

Pro Thr His Ser Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly
1 5 10 15

Asp Tyr Asn Arg Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro
20 25 30

Arg Gly Thr Gly Arg Arg Gly Gln Leu His
35 40

<210> 957

<211> 55

<212> PRT

<213> Homo sapiens

<400> 957

Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg Ala Cys Pro Ser
1 5 10 15

Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro Cys Pro Ser Pro
20 25 30

Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser Trp Cys Gly Leu

35

40

45

Pro Gly Tyr Thr Ser Ser Ser
50 55

<210> 958

<211> 276

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg Arg Ala Pro
50 55 60

Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln Arg Glu Val
65 70 75 80

Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
85 90 95

Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
100 105 110

Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
115 120 125

Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp
130 135 140

Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr
145 150 155 160

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
165 170 175

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
180 185 190

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
195 200 205

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
210 215 220

10004860-120701

His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly
225 230 235 240

Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys
245 250 255

Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu
260 265 270

Glu Leu Pro Lys
275

<210> 959

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 959

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg
50 55 60

<210> 960

<211> 52

<212> PRT

<213> Homo sapiens

<400> 960

Arg Ala Pro Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln
1 5 10 15

Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala
20 25 30

Gly Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly
35 40 45

Thr Pro Gly Ile
50

<210> 961

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 961
 Thr Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu
 1 5 10 15
 Cys Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln
 20 25 30
 Cys Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala
 35 40 45
 Glu Cys Thr Phe
 50

<210> 962
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 962
 Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
 1 5 10 15
 Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
 20 25 30
 Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
 35 40 45
 Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
 50 55 60
 His Arg
 65

<210> 963
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 963
 Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
 1 5 10 15
 Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly
 20 25 30
 Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu
 35 40 45
 Leu Pro Lys
 50

10004660.120701

<210> 964

<211> 26

<212> PRT

<213> Homo sapiens

<400> 964

Thr	Lys	Lys	Glu	Asn	Cys	Arg	Pro	Ala	Ser	Leu	Met	Asn	Ile	Asp	Thr
1				5					10					15	

Lys	Ile	Leu	Asn	Lys	Ile	Leu	Met	Asn	Gln
		20						25	

<210> 965

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Met	Cys	Asn	Leu	Pro	Ile	Lys	Val	Val	Cys	Arg	Ala	Asn	Ala	Glu	Tyr
1				5					10					15	

Met	Ser	Pro	Ser	Gly	Lys	Val	Pro	Xaa	Xaa	His	Val	Gly	Asn	Gln	Val
		20					25							30	

Val	Ser	Glu	Leu	Gly	Pro	Ile	Val	Gln	Phe	Val	Lys	Ala	Lys	Gly	His
		35					40						45		

Ser Leu Ser Asp Gly Leu Glu Glu Val Gln Lys Ala Glu Met Lys Ala
 50 55 60
 Tyr Met Glu Leu Val Asn Asn Met Leu Leu Thr Ala Glu Leu Tyr Leu
 65 70 75 80
 Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg Tyr
 85 90 95
 Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln Lys
 100 105 110
 Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys Lys
 115 120 125
 Thr Leu Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu
 130 135 140
 Ser Gln Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr
 145 150 155 160
 Glu Leu Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile Leu Thr Thr
 165 170 175
 Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn Tyr Ser Asn
 180 185 190
 Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe Glu Asp Arg
 195 200 205
 Gly Lys Gly Arg Leu Ser
 210

<210> 966

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys

35

40

<210> 967
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 967
 Phe Val Lys Ala Lys Gly His Ser Leu Ser Asp Gly Leu Glu Glu Val
 1 5 10 15

Gln Lys Ala Glu Met Lys Ala Tyr Met Glu Leu Val Asn Asn Met Leu
 20 25 30

Leu Thr Ala Glu Leu Tyr Leu Gln Trp Cys Asp Glu
 35 40

<210> 968
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 968
 Leu Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg
 1 5 10 15

Tyr Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln
 20 25 30

Lys Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys
 35 40 45

Lys Thr Leu
 50

<210> 969
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 969
 Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu Ser Gln
 1 5 10 15
 Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr Glu Leu
 20 25 30
 Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile
 35 40

<210> 970
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 970
 Leu Thr Thr Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn
 1 5 10 15
 Tyr Ser Asn Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe
 20 25 30
 Glu Asp Arg Gly Lys Gly Arg Leu Ser
 35 40

<210> 971
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 971
 Met Xaa Xaa Xaa Asn Ser His Ile Thr Ile Phe Thr Leu Asn Val Asn
 1 5 10 15
 Gly Leu Asn Ala Pro Asn Glu Arg His Arg Leu Ala Asn Trp Ile Gln
 20 25 30

Ser Gln Asp Gln Val Cys Cys Ile Gln Glu Thr His Leu Thr Gly Arg
35 40 45

Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln Ala
50 55 60

Asn Gly Lys Gln Lys Lys
65 70

<210> 972
<211> 28
<212> PRT
<213> Homo sapiens

<400> 972
Phe Thr Leu Asn Val Asn Gly Leu Asn Ala Pro Asn Glu Arg His Arg
1 5 10 15

Leu Ala Asn Trp Ile Gln Ser Gln Asp Gln Val Cys
20 25

<210> 973
<211> 17
<212> PRT
<213> Homo sapiens

<400> 973
Thr His Leu Thr Gly Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp
1 5 10 15

Arg

<210> 974
<211> 14
<212> PRT
<213> Homo sapiens

<400> 974
Gly Trp Arg Lys Ile Tyr Gln Ala Asn Gly Lys Gln Lys Lys
1 5 10

<210> 975
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 975

10004853-120701

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met Lys Val Ile His Ala His Cys Ser Lys
 20 25 30

Leu Arg Lys Cys Xaa Asn Ala Gln Ile Ser Val Phe Cys Thr Thr Leu
 35 40 45

Thr Ala Ser Tyr Pro Thr
 50

<210> 976

<211> 23

<212> PRT

<213> Homo sapiens

<400> 976

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met
 20

<210> 977

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 977

Lys Val Ile His Ala His Cys Ser Lys Leu Arg Lys Cys Xaa Asn Ala
 1 5 10 15

Gln Ile Ser Val Phe Cys Thr Thr Leu Thr Ala Ser Tyr Pro Thr
 20 25 30

<210> 978

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser Gln Ala
20 25 30

Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val Arg Leu
35 40 45

Leu Trp Asp Val Leu Thr Pro Asp Pro Asn
50 55

<210> 979

<211> 54

<212> PRT

<213> Homo sapiens

<400> 979

Gln Arg Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu
1 5 10 15

Gly Lys Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser
20 25 30

Ala Phe Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His
35 40 45

Arg Arg Ala Gln Met Pro
50

<210> 980

<211> 23

<212> PRT

<213> Homo sapiens

<400> 980

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
1 5 10 15

Pro Gly Leu Val Leu Ala Ser
20

<210> 981

<211> 191

<212> PRT

<213> Homo sapiens

<400> 981

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
20 25 30

Leu Leu Ile Leu Val Val Ile Arg Thr Ile Gln Tyr Asn Met Thr Arg
35 40 45

Thr Arg Asp Lys Tyr Leu His Thr Asn Cys Leu Ala Ala Leu Ala Asn

50 55 60

Met Ser Ala Gln Phe Arg Ser Leu His Gln Tyr Ala Ala Gln Arg Ile
65 70 75 80

Ile Ser Leu Phe Ser Leu Leu Ser Lys Lys His Asn Lys Val Leu Glu
85 90 95

Gln Ala Thr Gln Ser Leu Arg Gly Ser Leu Ser Ser Asn Asp Val Pro
100 105 110

Leu Pro Asp Tyr Ala Gln Asp Leu Asn Val Ile Glu Glu Val Ile Arg
115 120 125

Met Met Leu Glu Ile Ile Asn Ser Cys Leu Thr Asn Ser Leu His His
130 135 140

Asn Pro Asn Leu Val Tyr Ala Leu Leu Tyr Lys Arg Asp Leu Phe Glu
145 150 155 160

Gln Phe Arg Thr His Pro Ser Phe Gln Asp Ile Met Gln Asn Ile Asp
165 170 175

Leu Val Ile Ser Phe Phe Ser Ser Arg Leu Leu Gln Ala Gly Ser
180 185 190

<210> 982
<211> 38
<212> PRT
<213> Homo sapiens

<400> 982
Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
20 25 30

Leu Leu Ile Leu Val Val
35

<210> 983
<211> 53
<212> PRT
<213> Homo sapiens

<400> 983
Arg Thr Ile Gln Tyr Asn Met Thr Arg Thr Arg Asp Lys Tyr Leu His
1 5 10 15

Thr Asn Cys Leu Ala Ala Leu Ala Asn Met Ser Ala Gln Phe Arg Ser
20 25 30

Leu His Gln Tyr Ala Ala Gln Arg Ile Ile Ser Leu Phe Ser Leu Leu
35 40 45

Ser Lys Lys His Asn
50

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<210> 984
<211> 56
<212> PRT
<213> Homo sapiens
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<400> 984
Ser Cys Leu Thr Asn Ser Leu His His Asn Pro Asn Leu Val Tyr Ala
1 5 10 15

Leu Leu Tyr Lys Arg Asp Leu Phe Glu Gln Phe Arg Thr His Pro Ser
20 25 30

Phe Gln Asp Ile Met Gln Asn Ile Asp Leu Val Ile Ser Phe Phe Ser
35 40 45

Ser Arg Leu Leu Gln Ala Gly Ser
50 55

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<210> 985
<211> 31
<212> PRT
<213> Homo sapiens
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<400> 985
Lys Lys His Asn Lys Val Leu Glu Gln Ala Thr Gln Ser Leu Arg Gly
1 5 10 15

Ser Leu Ser Ser Asn Asp Val Pro Leu Pro Asp Tyr Ala Gln Asp
20 25 30

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<210> 986
<211> 15
<212> PRT
<213> Homo sapiens
```

<400> 986
Thr Ile Ser Asn Ser Ser Phe Ile Ser Gly Tyr Asn Ala Lys Tyr
1 5 10 15

```
<210> 987
<211> 31
<212> PRT
<213> Homo sapiens
```

<400> 987
Leu Lys Val Ala Ala Ser Trp Glu Leu Ser Cys Gln Trp Asn Gly Ser
1 5 10 15

Trp Lys Ser Leu Ser Lys Ala Ser Leu Arg Cys Pro Lys Thr Asp
20 25 30

<210> 988
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 988
 Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15
 Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys Glu Lys
 20 25 30
 Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp Thr
 35 40 45
 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 50 55 60
 Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 65 70 75 80
 Gln Asp Glu Asp Ala Glu Asp His Cys His Pro Pro Arg Leu Ser Ala
 85 90 95
 Leu His Pro Gln Val Gln Pro Leu Arg Glu Ala Pro Gln Glu His Val
 100 105 110
 Cys Thr Pro Val Pro Leu Leu Gln Gly Arg Pro Asp Arg
 115 120 125

<210> 989
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 989
 Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15
 Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30
 His Leu Ser Pro Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr
 35 40 45
 Val Gly Glu Cys Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu
 50 55 60
 Lys Val Thr Lys Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 65 70 75

<210> 990
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 990

Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys
 20 25 30

<210> 991

<211> 58

<212> PRT

<213> Homo sapiens

<400> 991

Lys Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp
 1 5 10 15

Thr Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro
 20 25 30

Phe Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val
 35 40 45

Thr Gln Asp Glu Asp Ala Glu Asp His Cys
 50 55

<210> 992

<211> 38

<212> PRT

<213> Homo sapiens

<400> 992

His Cys His Pro Pro Arg Leu Ser Ala Leu His Pro Gln Val Gln Pro
 1 5 10 15

Leu Arg Glu Ala Pro Gln Glu His Val Cys Thr Pro Val Pro Leu Leu
 20 25 30

Gln Gly Arg Pro Asp Arg
 35

<210> 993

<211> 36

<212> PRT

<213> Homo sapiens

<400> 993

Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

His Leu Ser Pro
 35

<210> 994
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 994
 Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr Val Gly Glu Cys
 1 5 10 15
 Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu Lys Val Thr Lys
 20 25 30
 Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 35 40

<210> 995
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 995
 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 1 5 10 15
 Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 20 25 30
 Gln

<210> 996
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 996
 Ser Arg Gly Thr Gly Val Gln Thr Cys Ser Cys Gly Ala Ser Arg Ser
 1 5 10 15
 Gly Cys Thr Cys Gly Cys Ser Ala Asp Ser Leu Gly Gly
 20 25

<210> 997
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 997
 Gln Trp Ser Ser Ala Ser Ser Ser Trp Val Thr Thr Pro Glu Arg Ile
 1 5 10 15
 Arg Pro Arg Met Asp Thr Leu Pro Val Lys Gly His Phe Leu Ser Met
 20 25 30

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<210> 998
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 998
 Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15
 Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30
 Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala Lys
 35 40 45
 Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 50 55 60

<210> 999
 <211> 67
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
 1 5 10 15
 Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
 20 25 30
 Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu Leu
 35 40 45
 Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp Thr
 50 55 60
 Val His Phe
 65

<210> 1000
 <211> 32

<400> 1003

Arg Arg Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val
 1 5 10 15

Phe Leu Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala
 20 25 30

Xaa Asp Thr Val His Phe
 35

<210> 1004

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1004

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1005

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1005

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1006

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1006

Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala
 1 5 10 15

Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 20 25

<210> 1007

<211> 69

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1007
 Gly Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys
 1 5 10 15

His Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg
 20 25 30

Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu
 35 40 45

Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp
 50 55 60

Thr Val His Phe Leu
 65

<210> 1008
 <211> 364
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (312)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008
 Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15

Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30

Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45

Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60

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Phe	Asp	His	Pro	Tyr	Pro	Thr	Thr	Lys	Leu	Met	Trp	Ile	Pro	Asp	Thr	65	70	75	80
Lys	Gly	Val	Tyr	Pro	Asp	Leu	Leu	Ala	Thr	Ser	Gly	Asp	Tyr	Leu	Arg	85	90	95	
Val	Trp	Arg	Val	Gly	Glu	Thr	Glu	Thr	Arg	Leu	Glu	Cys	Leu	Leu	Asn	100	105	110	
Asn	Asn	Lys	Asn	Ser	Asp	Phe	Cys	Ala	Pro	Leu	Thr	Ser	Phe	Asp	Trp	115	120	125	
Asn	Glu	Val	Asp	Pro	Tyr	Leu	Leu	Gly	Thr	Ser	Ser	Ile	Asp	Thr	Thr	130	135	140	
Cys	Thr	Ile	Trp	Gly	Leu	Glu	Thr	Gly	Gln	Val	Leu	Gly	Arg	Val	Asn	145	150	155	160
Leu	Val	Ser	Gly	His	Val	Lys	Thr	Gln	Leu	Ile	Ala	His	Asp	Lys	Glu	165	170	175	
Val	Tyr	Asp	Ile	Ala	Phe	Ser	Arg	Ala	Gly	Gly	Gly	Arg	Asp	Met	Phe	180	185	190	
Ala	Ser	Val	Gly	Ala	Asp	Gly	Ser	Val	Arg	Met	Phe	Asp	Leu	Arg	His	195	200	205	
Leu	Glu	His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln	His	His	Pro	Leu	210	215	220	
Leu	Arg	Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr	Leu	Ala	Thr	Met	225	230	235	240
Ala	Met	Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val	Arg	Val	Pro	Ala	245	250	255	
His	Leu	Xaa	Pro	Gly	Thr	Thr	Ile	Glu	His	Val	Ser	Met	Ala	Leu	Leu	260	265	270	
Gly	Pro	His	Ile	His	Pro	Ala	Thr	Ser	Ala	Leu	Gln	Arg	Met	Thr	Thr	275	280	285	
Arg	Leu	Ser	Ser	Gly	Thr	Ser	Ser	Lys	Cys	Pro	Glu	Pro	Leu	Arg	Thr	290	295	300	
Leu	Ser	Trp	Pro	Thr	Gln	Leu	Xaa	Gly	Glu	Ile	Asn	Asn	Val	Gln	Trp	305	310	315	320
Ala	Ser	Thr	Gln	Pro	Glu	Leu	Ser	Pro	Ser	Ala	Thr	Thr	Thr	Ala	Trp	325	330	335	
Arg	Tyr	Ser	Glu	Cys	Ser	Val	Gly	Gly	Ala	Val	Pro	Thr	Arg	Gln	Gly	340	345	350	
Leu	Leu	Tyr	Phe	Leu	Pro	Leu	Pro	His	Pro	Gln	Ser					355	360		

<210> 1009
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1009
 Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15
 Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30
 Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45
 Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60
 Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80
 Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95
 Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110
 Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125
 Asn Glu Val Asp Pro Tyr Leu Leu
 130 135

<210> 1010
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1010
 Ser Phe Asp Trp Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser
 1 5 10 15
 Ile Asp Thr Thr Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu
 20 25 30
 Gly Arg Val Asn Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala
 35 40 45
 His Asp Lys Glu Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly
 50 55 60
 Arg Asp Met Phe Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe

65					70					75					80
Asp	Leu	Arg	His	Leu	Glu	His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln
				85					90					95	
His	His	Pro	Leu	Leu	Arg	Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr
			100					105					110		
Leu	Ala	Thr	Met	Ala	Met	Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val
			115				120					125			
Arg	Val	Pro	Ala	His	Leu	Xaa	Pro	Gly	Thr	Thr	Ile				
	130				135						140				

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<210> 1011
<211> 170
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids
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400> 1011
Val Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His Leu Glu
  1          5          10          15
His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu Leu Arg
          20          25          30
Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met Ala Met
          35          40          45
Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro Ala His Leu
          50          55          60
Xaa Pro Gly Thr Thr Ile Glu His Val Ser Met Ala Leu Leu Gly Pro
  65          70          75          80
His Ile His Pro Ala Thr Ser Ala Leu Gln Arg Met Thr Thr Arg Leu
          85          90          95
Ser Ser Gly Thr Ser Ser Lys Cys Pro Glu Pro Leu Arg Thr Leu Ser
          100          105          110
Trp Pro Thr Gln Leu Xaa Gly Glu Ile Asn Asn Val Gln Trp Ala Ser
          115          120          125
Thr Gln Pro Glu Leu Ser Pro Ser Ala Thr Thr Thr Ala Trp Arg Tyr
          130          135          140

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Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly Leu Leu
145 150 155 160

Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
165 170

<210> 1012

<211> 236

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1012

Leu Tyr Ala Thr Ala Thr Val Ile Ser Ser Pro Ser Thr Glu Xaa Leu
1 5 10 15

Ser Gln Asp Gln Gly Asp Arg Ala Ser Leu Asp Ala Ala Asp Ser Gly
20 25 30

Arg Gly Ser Trp Thr Ser Cys Ser Ser Gly Ser His Asp Asn Ile Gln
35 40 45

Thr Ile Gln His Gln Arg Ser Trp Glu Thr Leu Pro Phe Gly His Thr
50 55 60

His Phe Asp Tyr Ser Gly Asp Pro Ala Gly Leu Trp Ala Ser Ser Ser
65 70 75 80

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
85 90 95

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
100 105 110

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu Asp Ser Glu Gly Asp Thr
115 120 125

Gly Thr Ile Lys Arg Arg Gly Gly Lys Asp Val Ser Ile Glu Ala Glu
130 135 140

Ser Ser Ser Leu Thr Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro
145 150 155 160

Met Pro Ala His Ile Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile
165 170 175

Ala Arg Lys Glu Gly Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly
180 185 190

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Tyr Ile Gly Ile Pro Ile Thr Asp Phe Pro Glu Gly His Ser His Pro
195 200 205

Ala Arg Lys Pro Pro Asp Tyr Asn Val Ala Leu Gln Arg Ser Arg Met
210 215 220

Val Ala Arg Ser Ser Asp Thr Ala Gly Pro Ser Ser Val Gln Gln Pro
225 230 235 240

His Gly His Pro Thr Ser Ser Arg Pro Val Asn Lys Pro Gln Trp His
245 250 255

Lys Xaa Asn Glu Ser Asp Pro Arg Leu Ala Pro Tyr Gln Ser Gln Gly
260 265 270

Phe Ser Thr Glu Glu Asp Glu Asp Glu Gln Val Ser Ala Val
275 280 285

<210> 1013

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1013

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
1 5 10 15

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
20 25 30

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu
35 40

<210> 1014

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1014

Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro Met Pro Ala His Ile
1 5 10 15

Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile Ala Arg Lys Glu Gly
20 25 30

Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly Tyr Ile Gly Ile Pro
35 40 45

Ile Thr Asp
50

<210> 1015

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Val Ala Leu Gln Arg Ser Arg Met Val Ala Arg Ser Ser Asp Thr Ala
1 5 10 15

Gly Pro Ser Ser Val Gln Gln Pro His Gly His Pro Thr Ser Ser Arg
20 25 30

Pro Val Asn Lys Pro Gln Trp His Lys Xaa Asn Glu Ser Asp Pro Arg
35 40 45

Leu Ala Pro Tyr Gln Ser Gln Gly Phe
50 55

<210> 1016

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1016

Cys Leu Leu Phe Val Phe Val Ser Leu Gly Met Arg Cys Leu Phe Trp
1 5 10 15

Thr Ile Val Tyr Asn Val Leu Tyr Leu Lys His Lys Cys Asn Thr Val
20 25 30

Leu Leu Cys Tyr His Leu Cys Ser Ile
35 40

<210> 1017

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Ala Cys Ser Lys Leu Ile Pro Ala Phe Glu Met Val Met Arg Ala Lys
 1 5 10 15

Asp Asn Val Tyr His Leu Asp Cys Phe Ala Cys Gln Leu Cys Asn Gln
 20 25 30

Arg Xaa Cys Val Gly Asp Lys Phe Phe Leu Lys Asn Asn Xaa Xaa Leu
 35 40 45

Cys Gln Thr Asp Tyr Glu Glu Gly Leu Met Lys Glu Gly Tyr Ala Pro
 50 55 60

Xaa Val Arg
 65

<210> 1018

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1018

Ser Ala Leu Ser Glu Pro Gly Ala Pro Asp Arg Arg Arg Pro Cys Pro
 1 5 10 15

Glu Ser Val Pro Arg Arg Pro Asp Asp Glu Gln Trp Pro Pro Pro Thr
 20 25 30

Ala Leu Cys Leu Asp Val Ala Pro Leu Pro Pro Ser Ser
 35 40 45

<210> 1019

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1019

Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15

Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30

Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1020

<211> 214

<212> PRT

<213> Homo sapiens

<400> 1020

Ala His Ala Ser Glu Ser Gly Glu Arg Trp Trp Ala Cys Cys Gly Val
 1 5 10 15

Arg Phe Gly Leu Arg Ser Ile Glu Ala Ile Gly Arg Ser Cys Cys His
 20 25 30

Asp Gly Pro Gly Gly Leu Val Ala Asn Arg Gly Arg Arg Phe Lys Trp
 35 40 45

Ala Ile Glu Leu Ser Gly Pro Gly Gly Gly Ser Arg Gly Arg Ser Asp
 50 55 60

Arg Gly Ser Gly Gln Gly Asp Ser Leu Tyr Pro Val Gly Tyr Leu Asp
 65 70 75 80

Lys Gln Val Pro Asp Thr Ser Val Gln Glu Thr Asp Arg Ile Leu Val
 85 90 95

Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly Pro Leu Lys Gln Ile Pro
 100 105 110

Met Asn Leu Phe Ile Met Tyr Met Ala Gly Asn Thr Ile Ser Ile Phe
 115 120 125

Pro Thr Met Met Val Cys Met Met Ala Trp Arg Pro Ile Gln Ala Leu
 130 135 140

Met Ala Ile Ser Ala Thr Phe Lys Met Leu Glu Ser Ser Ser Gln Lys
 145 150 155 160

Phe Leu Gln Gly Leu Val Tyr Leu Ile Gly Asn Leu Met Gly Leu Ala
 165 170 175

Leu Ala Val Tyr Lys Cys Gln Ser Met Gly Leu Leu Pro Thr His Ala
 180 185 190

Ser Asp Trp Leu Ala Phe Ile Glu Pro Pro Glu Arg Met Glu Phe Ser
 195 200 205

Gly Gly Gly Leu Leu Leu
 210

<210> 1021

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1021

Ala Thr Phe Lys Met Leu Glu Ser Ser Ser Gln Lys Phe Leu Gln Gly
 1 5 10 15

Leu Val Tyr Leu Ile Gly Asn Leu Met Gly Leu Ala Leu Ala Val Tyr
 20 25 30

Lys Cys Gln Ser Met Gly Leu Leu Pro Thr His Ala Ser Asp
 35 40 45

<210> 1022
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15
 Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30
 Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1023
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1023
 Pro Thr Thr Lys Leu Asp Ile Met Glu Lys Lys Lys His Ile Gln Ile
 1 5 10 15
 Arg Phe Pro Ser Phe Tyr His Lys Leu Val Asp Ser Gly Arg Met Arg
 20 25 30
 Ser Lys Arg Glu Thr Arg Arg Glu Asp Ser Asp Thr Lys His Asn Leu
 35 40 45

<210> 1024
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1024
 Phe Leu Trp Lys Ser Leu Leu Leu Arg Tyr Phe Lys Met Arg Gln His
 1 5 10 15

<210> 1025
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1025
 Tyr His Tyr Leu Leu Ser Ser Phe Leu Ser Tyr Ser Ser Ser Gln
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val

20										25										30										
Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser																														
35										40										45										
Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile																														
50										55										60										
Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr																														
65										70										75										
Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys																														
85										90										95										
Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys																														
100										105										110										
Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr																														
115										120										125										
Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe His																														
130										135										140										
Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met																														
145										150										155										
Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu Pro																														
165										170										175										
Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr Gln																														
180										185										190										
Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser																														
195										200										205										
Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln																														
210										215										220										
Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr																														
225										230										235										
Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr																														
245										250										255										
Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu																														
260										265										270										
Val Glu Trp Phe																														
275																														

<210> 1028

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1028

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp

1 5 10 15

Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
20 25 30

Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
35 40 45

Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
50 55 60

Leu Ile Phe Tyr Phe
65

<210> 1029

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1029

Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp Leu Ile
1 5 10 15

Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp Arg Asn
20 25 30

Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr
35 40 45

Thr Arg Thr Val Lys Lys Gly Asp Lys Glu
50 55

<210> 1030

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1030

Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala
1 5 10 15

Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro
20 25 30

Cys Lys His Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu
35 40 45

His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly
50 55 60

Ile Val
65

<210> 1031

<211> 106

<212> PRT

<213> Homo sapiens

<400> 1031

Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val
 20 25 30

Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser
 35 40 45

Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile
 50 55 60

Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr
 65 70 75 80

Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys
 85 90 95

Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr
 100 105

<210> 1032

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1032

Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys
 1 5 10 15

Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile
 20 25 30

Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His
 35 40 45

Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr
 50 55 60

Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro
 65 70 75 80

Asn Leu Pro Cys

<210> 1033

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1033

Thr Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp

1 5 10 15
 Asn Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu
 20 25 30
 Pro Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala
 35 40 45
 Val Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala
 50 55 60
 Leu Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala
 65 70 75 80
 Asn Glu Val Glu Trp Phe
 85
 <210> 1034
 <211> 341
 <212> PRT
 <213> Homo sapiens
 <400> 1034
 Pro Leu His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg
 1 5 10 15
 Phe Phe Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg
 20 25 30
 Gly Asn Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn
 35 40 45
 Ala Val Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu Pro Val
 50 55 60
 Thr Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr
 65 70 75 80
 Glu Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser
 85 90 95
 Val Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe
 100 105 110
 Ser Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met
 115 120 125
 Ile Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg
 130 135 140
 Tyr Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala
 145 150 155 160
 Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp
 165 170 175
 Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser

180	185	190
Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe 195	200	205
His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro 210	215	220
Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu 225	230	235
Pro Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr 245	250	255
Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn 260	265	270
Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro 275	280	285
Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val 290	295	300
Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu 305	310	315
Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn 325	330	335
Glu Val Glu Trp Phe 340		

<210> 1035

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1035

His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg Phe Phe
1 5 10 15

Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg Gly Asn
20 25 30

Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn Ala Val
35 40 45

Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu
50 55 60

<210> 1036

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
1 5 10 15

Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
20 25 30

Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
35 40 45

Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
50 55 60

Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
65 70 75 80

Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
85 90 95

Ser Gln Pro Thr Asn Glu Ser His Ser Ile Lys Ala Ile Leu Lys Asn
100 105 110

Ile Ser Val Leu Ala Phe Ser Val Cys Phe Ile Phe Thr Ile Thr Ile
115 120 125

Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile Ala Gly
130 135 140

Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe Leu Thr
145 150 155 160

Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val Phe Met
165 170 175

Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu Ala Arg
180 185 190

Leu Val Phe Val Pro Leu Leu Leu Cys Asn Ile Lys Pro Arg Arg
195 200 205

Tyr Leu Thr Val Val Phe Glu His Asp Ala Trp Phe Ile Phe Phe Met
210 215 220

Ala Ala Phe Ala Phe Ser Asn Gly Tyr Leu Ala Ser Leu Cys Met Cys
225 230 235 240

Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
245 250 255

Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
260 265 270

Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
275 280 285

Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 290 295 300

Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 305 310

<210> 1037

<211> 106

<212> PRT

<213> Homo sapiens

<400> 1037

Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
 1 5 10 15

Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
 20 25 30

Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
 35 40 45

Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
 50 55 60

Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
 65 70 75 80

Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
 85 90 95

Ser Gln Pro Thr Asn Glu Ser His Ser Ile
 100 105

<210> 1038

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1038

Ser Gly Val Ser Val Ser Asn Ser Gln Pro Thr Asn Glu Ser His Ser
 1 5 10 15

Ile Lys Ala Ile Leu Lys Asn Ile Ser Val Leu Ala Phe Ser Val Cys
 20 25 30

Phe Ile Phe Thr Ile Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu
 35 40 45

Val Lys Ser Ser Ile Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile
 50 55 60

Pro Val Ser Cys Phe Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg
 65 70 75 80

Ser

<210> 1039
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1039
 Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile
 1 5 10 15
 Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe
 20 25 30
 Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val
 35 40 45
 Phe Met Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu
 50 55 60
 Ala Arg Leu Val Phe Val Pro Leu Leu Leu Leu Cys Asn Ile Lys Pro
 65 70 75 80
 Arg Arg Tyr Leu Thr Val Val Phe Glu His Asp Ala
 85 90

<210> 1040
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
 1 5 10 15
 Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
 20 25 30
 Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
 35 40 45
 Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 50 55 60
 Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 65 70

<210> 1041
 <211> 135
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
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<220>
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 <222> (108)
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<220>
 <221> SITE
 <222> (109)
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<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041
 Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
 1 5 10 15

Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
 20 25 30

Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
 35 40 45

Thr Phe Asn Glu Asp Glu Gly Glu Leu Pro Glu Trp Phe Val Gln Glu
 50 55 60

Glu Lys Gln His Arg Ile Arg Gln Leu Pro Val Gly Lys Lys Glu Val
 65 70 75 80

Glu His Tyr Arg Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa
 85 90 95

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 100 105 110

Leu Glu Gln Thr Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp
 115 120 125

Ile Xaa Arg Thr Arg Glu Ser
130 135

<210> 1042
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1042
Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
1 5 10 15

Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
20 25 30

Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
35 40 45

Thr Phe
50

<210> 1043
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> {18}
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1043

Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp Ile Xaa Arg Thr
 35 40 45

Arg Glu Ser
 50

<210> 1044

<211> 216

<212> PRT

<213> Homo sapiens

<400> 1044

Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 50 55 60

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 65 70 75 80

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 85 90 95

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 100 105 110

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 115 120 125

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 130 135 140

Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr Cys Thr
 145 150 155 160

Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val Ile Lys
 165 170 175

Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp Asn Met
 180 185 190

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Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln Gln Thr
 195 200 205

Tyr Gly Ser Thr Leu Lys Val Thr
 210 215

<210> 1045
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1045
 Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln
 50

<210> 1046
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 1 5 10 15

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 20 25 30

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 35 40 45

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 50 55 60

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 65 70 75 80

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 85 90 95

Ser Asp Pro Met
 100

<210> 1047
 <211> 74
 <212> PRT

3> Homo sapiens

0> 1047

Ile Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr
5 10 15

Thr Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val
20 25 30

Lys Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp
35 40 45

Met Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln
50 55 60

Thr Tyr Gly Ser Thr Leu Lys Val Thr
70

10> 1048

11> 156

12> PRT

13> Homo sapiens

00> 1048

1 Cys Cys Lys Thr Thr Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala
1 5 10 15

e Phe Gln Thr Asp Ser Thr Asp Cys Cys Ile Ser Leu Phe Met Tyr
20 25 30

le Ile Thr Arg Ser Ser Phe Ser Lys Ser Phe Ser Ser Ile Arg Ser
35 40 45

l Gln Tyr Phe Thr Thr Trp Arg Met Ser Ser Ile Gly Ser Glu
50 55 60

le Val Val Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser
55 70 75 80

rr Ala Pro Ala Arg Leu Gly Ala Gly Gly Leu Thr Gln Pro Ala Gly
85 90 95

er Asp Cys Lys Leu Glu Arg Pro Gly Thr Pro Glu Val Glu Ala Glu
100 105 110

er Ser Ser Arg Gly Phe Ser Ala Gly Gly Pro Ser Cys Phe Arg Asn
115 120 125

ro Ser Ile Asn Phe Trp Gly Leu Pro Gln Ala Pro Gly Arg Val Phe
130 135 140

la Gly Leu Leu Ser Ser Leu Leu Phe Lys Gly Leu
145 150 155

:210> 1049

:211> 25

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<212> PRT
 <213> Homo sapiens

<400> 1049
 Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala Ile Phe Gln Thr Asp Ser
 1 5 10 15
 Thr Asp Cys Cys Ile Ser Leu Phe Met
 20 25

<210> 1050
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1050
 Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu Ile Val Val
 1 5 10 15
 Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser Thr Ala Pro
 20 25 30
 Ala Arg Leu Gly Ala
 35

<210> 1051
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1051
 Gly Gly Pro Ser Cys Phe Arg Asn Pro Ser Ile Asn Phe Trp Gly Leu
 1 5 10 15
 Pro Gln Ala Pro Gly Arg Val Phe Ala Gly Leu Leu
 20 25

<210> 1052
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 1052
 Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15
 Glu Pro

<210> 1053
 <211> 18
 <212> PRT
 <213> Homo sapiens

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<400> 1053

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15

Glu Pro

<210> 1054

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1054

His Glu Pro Tyr Ala Val Leu Val Ile
 1 5

<210> 1055

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1055

Pro Gln Pro Ser Asn Phe Pro Thr Thr Val Arg Asn Leu Pro Tyr Ser
 1 5 10 15

Gly Ala Gly Ala Gln Pro Pro Pro Ser Asn Cys
 20 25

<210> 1056

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1056

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
 65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His

85

90

95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
 100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
 115 120 125

Cys Xaa Leu Val Cys Cys
 130

<210> 1057

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1057

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala
 65 70

<210> 1058

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058

Phe Ala Trp Leu Val Ala Pro His Ser Val Phe Arg Thr Asn Ala Pro
 1 5 10 15

Gly Pro Thr Pro Ser Ser Gln Ser Ser Pro Val Phe Pro Val Phe Pro
 20 25 30

Val Ser Phe Met Ala Leu Ile Val Cys Xaa Leu Val Cys Cys
 35 40 45

<210> 1059

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His
85 90 95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
115 120 125

Cys Xaa Leu Val Cys Cys
130

<210> 1060

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Leu Val Asn Trp Ile Leu Lys Leu His Cys Leu Asn Leu Phe Ser Gly
1 5 10 15

Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser Ser Ala Gly Thr His
20 25 30

Pro Leu Thr Ala Phe Pro Ser Thr Leu Ser Leu Pro His Ala Leu Pro
35 40 45

Leu Pro Ala Met Pro Pro Ile Leu Thr Phe Cys Thr Pro Ala Pro Val
50 55 60

Pro Ser Ala Pro Arg Ser Leu Pro Gly Trp Leu Leu Leu Thr Gln Cys
65 70 75 80

Ser Gly Gln Met Leu Leu Ala Leu Pro His Leu Ala Ser Leu Ala Arg
85 90 95

Ser Ser Leu Ser Ser Leu Phe His Ser Trp Leu Leu Leu Phe Val Xaa
100 105 110

Leu Cys Ala Val Asp Phe
115

<210> 1061

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1061

Asn Leu Phe Ser Gly Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser
1 5 10 15

Ser Ala Gly Thr His Pro Leu
20

<210> 1062

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1062

Pro His Leu Ala Ser Leu Ala Arg Ser Ser Leu Ser Ser Leu Phe His
1 5 10 15

Ser Trp Leu Leu Leu
20

<210> 1063

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1063

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala
1 5 10 15

Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu
20 25 30

His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn
35 40 45

Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile
50 55 60

Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu
65 70 75 80

Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu
85 90 95

Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn
100 105 110

Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val
115 120 125

Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu
130 135 140

Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val
145 150 155 160

Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met
165 170 175

Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser
180 185 190

Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile
195 200 205

Leu Val Phe Gly Ala Leu Ile Phe Thr Trp Ile Val Thr Arg Pro Gln Trp
210 215 220

Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly
225 230 235 240

Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn
245 250 255

Met Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys
260 265 270

Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met
275 280 285

<210> 1054

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1054

Ala His Ala Ser Ala His Ala Ser Gly Gly Ala Glu Tyr Gly Ala Leu
1 5 10 15

<210> 1065

<211> 116

<212> PRT
<213> Homo sapiens

<400> 1065

Gln Tyr Ser Gln Tyr Val Gln Ser Ala Gln Leu Gly Trp Thr Asp Ser
1 5 10 15

Cys His Met Leu Phe Val Thr Ala Ser Phe Arg Phe Phe Ser Leu Ser
20 25 30

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
35 40 45

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
50 55 60

Tyr Gly Ile Asp Arg Glu Thr Asp Phe Phe Pro Glu Arg Ser Cys Ile
65 70 75 80

Gln Tyr Ile Pro Ala Arg Arg Cys Phe Arg Lys Tyr Ala Trp Pro Ser
85 90 95

Asp Pro Gly Val Arg Gly Pro His Phe Leu Asp Ser His Gln Thr Ala
100 105 110

Met Glu Thr Ser
115

<210> 1066

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1066

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
1 5 10 15

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
20 25 30

Tyr Gly

<210> 1067

<211> 119

<212> PRT

<213> Homo sapiens

<400> 1067

Phe Val His Val Val Ala Arg Val Gly Trp His Gly Thr Ser Cys Ser
1 5 10 15

Leu Phe Ser Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu
20 25 30

Arg Thr Phe Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro

35 40 45

Glu His Gln Asp Gln Lys Ala Lys Arg Ile Tyr Glu Asn Thr Phe Trp
50 55 60

Arg Glu Cys Thr Val Cys Arg Ile Ser Gln Gly Lys Asn Gln Phe Leu
65 70 75 80

Cys Gln Ser His Lys Cys Cys Cys Asn His Cys Ser Lys Asp Asp Asn
85 90 95

Ser Arg Ile Asn Met Tyr Gly His Glu Lys Cys Ser Glu Arg Lys Arg
100 105 110

Ser Pro Trp Lys Gln Lys Asp
115

<210> 1068
<211> 32
<212> PRT
<213> Homo sapiens

<400> 1068
Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu Arg Thr Phe
1 5 10 15

Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro Glu His Gln
20 25 30

<210> 1069
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1069
Pro Gly Arg Ala Gly Pro Ser Pro Gly Leu Ser Leu Gln Leu Pro Ala
1 5 10 15

Glu Pro Gly His Pro Ala Gly Asn Leu Ala Pro Leu Thr Ser Arg Pro
20 25 30

Gln Pro Leu Cys Arg Ile Pro Ala Val Pro Gly
35 40

<210> 1070
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1070
Ala Arg Gly Arg Arg Gly Arg Leu Glu Leu Trp Glu Leu Cys Leu
1 5 10 15

Pro Leu Gly Cys Arg Arg Arg Arg Ser Leu Thr Met Ala Pro Gln Ser
20 25 30

Leu Pro Ser Ser Arg Met Ala Pro Leu Gly
35 40

<210> 1071

<211> 351

<212> PRT

<213> Homo sapiens

<400> 1071

Asn Gly Gln Ala Ser Thr Ala Lys Met Ser Ser Cys Leu Arg Ser Pro
1 5 10 15

Pro Thr Leu Ala Pro Leu Ser Leu Thr Ser Gly Ile Pro Val Gln Ser
20 25 30

Trp Cys Gly Ala Ser Ser Gln Leu Leu Gln Gln Ala Val Asp Arg Ala
35 40 45

Gln Gln Leu Leu Glu Val Ala Leu Val Leu Thr Ile Leu Gln Leu Gln
50 55 60

Ala Gly Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala
65 70 75 80

Glu Leu Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp
85 90 95

Ala Gln Cys Leu Gln His Leu Leu Thr Gly Ile Met Leu Gly Gln Arg
100 105 110

Gln Glu Val Gly Arg Asp Leu Ala Pro Ala Leu Phe Pro Gln Ala Trp
115 120 125

Gln Glu Val Tyr Leu Ala Ile Leu Leu Gln Leu Leu Trp Gly His Leu
130 135 140

Leu Gly Gln Leu Ser Leu Leu Gly Glu His Leu Leu Arg Asp Gln
145 150 155 160

Val Val Glu Gln Cys Asp His Ala His Gly Glu His Leu Arg Ala Leu
165 170 175

Leu Leu His Gln Gly Pro Gln Asp Leu Gln Pro Pro Glu Leu Gln Glu
180 185 190

Leu Pro Leu Gly Ile Gly Glu Val Ala Gln Gln Gly Ala Gln Cys Lys
195 200 205

Gln Asp Leu Leu Leu Cys Ser Glu Arg Leu Leu Arg Gly Gln Asp Asp
210 215 220

Gln Gln Leu Leu Gln Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu
225 230 235 240

Gly Val Ala Gly Lys Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu
245 250 255

His Glu Gly Leu Cys Ala Val Gln Pro Ile Asp His His Leu Lys Thr
260 265 270

Thr Lys Gly Lys Gln Val Leu Arg Ile Val His Leu Met Asp Ile Ile
275 280 285

Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu Phe Gln Thr Gly Ala Gly
290 295 300

Thr Ile Glu Leu Val Asp Gln Pro Tyr His Asp Leu His Val Ser Leu
305 310 315 320

Asn Asp Asn Ile Gln Leu Ile Lys Val Phe Leu Gln Phe Leu Asn Gly
325 330 335

Ala Glu Glu Pro Leu Tyr Leu Ser Leu Pro Cys Leu Val Phe Leu
340 345 350

<210> 1072

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1072

Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala Glu Leu
1 5 10 15

Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp Ala Gln
20 25 30

Cys

<210> 1073

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1073

Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln Val Val
1 5 10 15

Glu Gln Cys Asp His Ala His Gly Glu His
20 25

<210> 1074

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1074

<213> Homo sapiens

<400> 1077

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 1 5 10 15

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Lys Asp Ala Thr
 20 25 30

Gly Ser

<210> 1078

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1078

Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp Pro
 1 5 10 15

Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu
 20 25

<210> 1079

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (314)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80
 Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Arg Leu
 85 90 95
 Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys Lys Leu
 100 105 110
 Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile Leu Ser
 115 120 125
 Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys Glu Ser
 130 135 140
 Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp Asp Arg
 145 150 155 160
 Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp Ala Leu
 165 170 175
 Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu Leu Met
 180 185 190
 Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile Asp Ser
 195 200 205
 Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu Met Gln
 210 215 220
 Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser Leu Gln
 225 230 235 240
 Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys Leu
 245 250 255
 Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu Leu
 260 265 270
 Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu Asp
 275 280 285
 Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp Glu
 290 295 300
 Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr Pro
 305 310 315 320
 Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro Gly
 325 330 335
 Pro Ser Val Ser Ser Pro His Ser Arg Ser Thr Lys Gly Gly Ser Asp
 340 345 350
 Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe Leu
 355 360 365
 Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu

370

375

380

Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr Ser
 385 390 395 400

Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu Arg
 405 410 415

Tyr Thr Asn Gly Pro Pro Pro Leu
 420

<210> 1080

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1080

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80

Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95

Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys
 100 105 110

<210> 1081

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1081

Lys Leu Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile
 1 5 10 15

Leu Ser Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys
 20 25 30

Glu Ser Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp

35 40 45
 Asp Arg Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp
 50 55 60
 Ala Leu Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu
 65 70 75 80
 Leu Met Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile
 85 90 95
 Asp Ser Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu
 100 105 110
 Met Gln Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser
 115 120 125
 Leu Gln Asp Met Ser Cys Gln Leu
 130 135

 <210> 1082
 <211> 105
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1082
 Gln Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys
 1 5 10 15
 Leu Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu
 20 25 30
 Leu Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu
 35 40 45
 Asp Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp
 50 55 60
 Glu Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr
 65 70 75 80
 Pro Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro
 85 90 95
 Gly Pro Ser Val Ser Ser Pro His Ser
 100 105

<210> 1083
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1083
 Asp Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe
 1 5 10 15

 Leu Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu
 20 25 30

 Leu Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr
 35 40 45

 Ser Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu
 50 55 60

 Arg Tyr Thr Asn Gly Pro Pro Pro Leu
 65 70

 <210> 1084
 <211> 60
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1084
 Gln Arg Phe Leu Pro Pro Gly Ser Cys Xaa Leu Ile Arg Gly Pro Gln
 1 5 10 15

 Cys Pro Arg Val Thr Asp Pro Thr Thr Gly Gln Ser Leu Asp Asp Ser
 20 25 30

 Arg Phe Gln Ile Gln Gln Thr Glu Asn Ile Ile Arg Ser Lys Thr Pro
 35 40 45

 Thr Gly Pro Glu Leu Asp Thr Ser Tyr Lys Gly Tyr
 50 55 60

 <210> 1085
 <211> 215
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1085

Ser Ile Ser Ala Ser Arg Leu Glu Ser Ile Gly Thr Ile Ser Phe Phe
 1 5 10 15
 Leu Leu Ser Met Phe Ser Ser Ile Arg Ser Lys Pro Trp Leu Ile Ser
 20 25 30
 Trp Lys Pro Trp His Cys Ile Arg Ala Ser Cys Ser Arg Pro Arg His
 35 40 45
 Ser Ser Ser Arg Glu His Thr Arg Ser Gln Arg Pro Phe Ile Cys Xaa
 50 55 60
 Lys Arg Ser Cys Arg Ser Arg Leu Ser Leu Leu Ser Ala Trp Val Asn
 65 70 75 80
 Ser Gly Leu Gln Arg Leu Met Glu Arg Met Met Ala Leu Arg Trp Ser
 85 90 95
 Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
 100 105 110
 Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
 115 120 125
 Ser Val Ser Pro Ser Gln Ala Gln Met Leu Phe Lys Ser Glu Leu Asn
 130 135 140
 Cys Cys His Phe Trp Arg Phe Cys Phe Ile Leu Asn Ser Leu Leu Asn
 145 150 155 160
 Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro Ala Val Trp
 165 170 175
 Val Ser Val Leu Cys Arg Leu Thr Lys Pro Gly Arg Leu Ser Ser Ser
 180 185 190
 Ser Phe Ser Leu Cys Ser Ser Leu Phe Thr Glu Ser Ile Leu Leu Leu
 195 200 205
 His Ser Pro Ser Ser Phe Met
 210 215

 <210> 1086
 <211> 35
 <212> PRT
 <213> Homo sapiens

 <400> 1086
 Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
 1 5 10 15
 Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
 20 25 30
 Ser Val Ser
 35

<210> 1087
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Leu Leu Asn Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro
 1 5 10 15
 Ala Val Trp Val Ser Val Leu Cys Arg Leu
 20 25

<210> 1088
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Ala Arg His Val Leu Gln Arg Gly Tyr Ser Glu Leu Gly Phe Gln
 1 5 10 15
 Gln Leu Met Leu Tyr Leu His Lys Leu Phe Val Met Val Leu Lys Tyr
 20 25 30
 Leu Cys Ile Lys Val Arg Ile Asn Arg Asp Asn Phe Ile Phe Pro Ser
 35 40 45
 Val Asn Val Leu Gln His Lys Lys Gln Thr Met Ala His Phe Met Glu
 50 55 60
 Thr Leu Ala Leu His Gln Gly Ile Leu Gln Gln Ala Pro Pro Leu Leu
 65 70 75 80
 Gln Gln Arg Ala His Ser Val Pro Ala Pro Ile His Leu Xaa Gln Ala
 85 90 95
 Ile Leu Gln Val Pro Ala Leu Leu Ala Val Ser Leu Gly Glu Leu Arg
 100 105 110
 Ala Ala Glu Ile Asp Gly Glu Asp Asp Gly Phe Ala Val Val His Ser
 115 120 125
 Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp Gly Leu Asp
 130 135 140
 Val Ser Ala Glu Phe Gln Thr Leu Glu Leu Phe Gln Leu Leu Leu Arg
 145 150 155 160
 Val Pro Gln Pro Gly Pro Asp Ala Val Gln Val
 165 170

<400> 1089

<210> 1090

<400> 1090

<210> 1091

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<211> 15
<212> PRT
<213> Homo sapiens
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<400> 1091

<210> 1092

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<211> 97
<212> PRT
<213> Homo sapiens
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 $\langle 220 \rangle$

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1092

Pro Glv Leu Ser Pro Ala Pro Pro Pro Gln His Pro Pro Pro Leu Pro

50

55

60

Lys Leu Phe Leu Leu Cys Leu Ser Xaa Ser Leu Pro Gln Asp Phe Ser
65 70 75 80

Leu Leu Leu Cys Leu Ser Leu Asp Pro Cys Pro Ser Ser Thr Ser Asp
85 90 95

Leu

<210> 1093

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1093

Gly Thr Val Pro Gly Thr Pro Gly Pro Leu Pro Gly Leu Ser Pro Ala
1 5 10 15

Pro Pro Pro Gln His Pro Pro Pro Leu Pro Lys Leu Phe Leu
20 25 30

<210> 1094

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Ala Pro Ser Arg Cys Arg Arg Ser Val Val Gln Val Pro Tyr Ser Ala
1 5 10 15

Phe Ser Ser Cys Ser Trp Thr Pro Thr Ala Leu Arg Arg Gly Val Leu
20 25 30

Leu Tyr Ala Gly Leu Ser Thr Ser Ser Ala Ser Lys Ala Gln Gly Trp
35 40 45

His Cys Leu Gly Leu Glu Tyr Pro Ser Gly Ala Ile Met Glu Val Arg
50 55 60

Gly Arg Gly Gly Asp Arg Tyr Ala Gln Gly Pro Ser Lys Cys Trp Arg
65 70 75 80

Gly Cys Xaa Leu Val Gly Ser Gly Ser Val Thr Ala Ile Leu Cys Pro
85 90 95

Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His Pro Arg Thr Pro Ser
 100 105 110

Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro Pro Thr Pro Ala Gln
 115 120 125

Ala Val Ser Pro Leu Pro Leu Xaa Phe Pro Ala Pro Gly Leu Leu Ser
 130 135 140

Ser Pro Leu Pro Leu Leu Gly Pro Leu Pro Phe Leu Tyr Leu
 145 150 155

<210> 1095
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1095
 Thr Ala Leu Arg Arg Gly Val Leu Leu Tyr Ala Gly Leu Ser Thr Ser
 1 5 10 15

Ser Ala Ser Lys Ala Gln Gly Trp His Cys Leu Gly Leu Glu Tyr Pro
 20 25 30

Ser Gly Ala Ile Met
 35

<210> 1096
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1096
 Ala Ile Leu Cys Pro Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His
 1 5 10 15

Pro Arg Thr Pro Ser Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro
 20 25 30

Pro

<210> 1097
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Pro Pro Val Phe Met Ala Ser His Arg Pro Xaa Gly Met Glu Pro Gly
 1 5 10 15

Glu Trp Arg Phe Val Leu Val His Ile Ala Phe Xaa Cys Ala Trp Asp
 20 25 30

Leu Val Cys Glu His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly
 35 40 45

Arg Ala Gly Val Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly
 50 55 60

Gln Gly Xaa Arg Glu Ala Glu Glu Lys Gln Leu Gly Gln Gly Trp Gly
 65 70 75 80

Val Leu Arg Arg Trp Ser Arg Arg Gln Ala Trp Lys Gly Ser Trp Gly
 85 90 95

Ala Trp His Cys Pro Arg Pro Cys Pro Thr Leu Asp Arg Gly Trp Leu
 100 105 110

<210> 1098

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1098

His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly Arg Ala Gly Val
 1 5 10 15

Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly Gln
 20 25

<210> 1099

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1099

Met Lys Leu Leu Ile Cys Gly Asn Tyr Leu Ala Pro Ser His Ser Glu
 1 5 10 15

Ser Ser Arg Arg Cys Cys Leu Leu Cys Phe Tyr Pro Leu Cys Leu Glu
 20 25 30

Ile Asn Phe Gly Met Lys Val Phe Leu Ser Met Pro Phe Leu Val Leu
 35 40 45

Phe Gln Ser Leu Ile Gln Glu Asp
 50 55

<210> 1100

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1100

Phe Ser Ser Pro Gln Gly Leu Lys Phe Arg Ser Lys Ser Ser Leu Ala
 1 5 10 15

Asn Tyr Leu His Lys Asn Gly Glu Thr Ser Leu Lys Pro Glu Asp Phe
 20 25 30

Asp Phe Thr Val Leu Ser Lys Arg Gly Ile Lys Ser Arg Tyr Lys Asp
 35 40 45

Cys Ser
 50

<210> 1101

<211> 137

<212> PRT

<213> Homo sapiens

<400> 1101

Glu Leu Leu Cys Tyr Ile Cys Trp Lys Asn Thr Gly Leu Phe Ser Phe
 1 5 10 15

Phe Leu Ser Val Phe Arg Gly Met Val Ser Ser Val Lys Ser Phe Leu
 20 25 30

Val Gly Glu Gln Leu Leu Ser Ile Ser Glu Pro Arg Phe Lys Met Ser
 35 40 45

Val Cys Lys Cys Ser Phe Leu Ser Thr Thr Ser Thr Phe Val Pro Ile
 50 55 60

Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe Ser Leu Cys Ser Glu
 65 70 75 80

Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro Glu Val Phe Cys Ser
 85 90 95

Glu Gln Lys Phe Asp Pro Glu Leu Asn Asp Leu Ser Phe Phe Thr
 100 105 110

Arg Leu Phe Ser Ser Leu Val Thr Leu Arg Val Ser Pro His Ala Pro
 115 120 125

Ala Ser Glu Met Gln Thr Val Leu Ser

130

135

<210> 1102

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1102

Thr Phe Val Pro Ile Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe
 1 5 10 15

Ser Leu Cys Ser Glu Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro
 20 25 30

Glu Val Phe Cys
 35

<210> 1103

<211> 271

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1103

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 1 5 10 15

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 20 25 30

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 35 40 45

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 50 55 60

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 65 70 75 80

Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 85 90 95

Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 100 105 110

Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 115 120 125

Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
130 135 140

Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
145 150 155 160

Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
165 170 175

Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
180 185 190

Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
195 200 205

Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
210 215 220

Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
225 230 235 240

Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
245 250 255

Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser
260 265 270

<210> 1104

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1104

Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val Phe Cys Val Leu
1 5 10 15

Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser Arg Asn
20 25 30

<210> 1105

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1105

Leu Ile Val Phe Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val
1 5 10 15

Ile Phe Ser Asn Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg
20 25 30

<210> 1106

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1106

Phe Phe Ser Pro Ser Asn Ser Cys Leu Leu Phe Arg Asn Glu Cys Pro
1 5 10 15

Arg Lys Asp Asn Cys Thr Ala Lys Glu Trp Thr
20 25

<210> 1107

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1107

Tyr Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg
1 5 10 15

Ser Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe
20 25

<210> 1108

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1108

Asn Ser Val Pro Asn Leu Gln Thr Leu Ala Val Leu Thr Glu Ala Ile
1 5 10 15

Gly Pro Glu Pro Ala Ile Pro Arg Xaa Pro Arg Glu Pro Pro Val Ala
20 25 30

Thr Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr
35 40 45

Gly Thr Val Leu Val Pro Gly Gly Pro Ala Pro Pro Cys Leu Gly Glu
50 55 60

Ala Trp Ala Leu Leu Pro Pro Cys Arg Pro Ser Leu Thr Ser Cys
65 70 75 80

Phe Trp Ser Pro Arg Pro Ser Pro Trp Lys Glu Thr Gly Val
85 90

<210> 1109

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1109

Val Thr Ala Gly Arg Val Gly Gly Gly Gly Pro Met Pro Pro Gln Gly
 1 5 10 15

Lys Val Gly Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly
 20 25 30

Ala Gly Ala Arg Gln Arg Val Trp Gln Val Trp Thr Trp Gln Gln Ala
 35 40 45

Ala Pro Gly Gly Xaa Gly Gly Trp Arg Ala Leu Gly Gln Trp Pro Gln
 50 55 60

<210> 1110

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1110

Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr Gly
 1 5 10 15

Thr Val Leu Val Pro Gly Gly Pro Ala Pro
 20 25

<210> 1111

<211> 19

<212> PRT

<213> Homo sapiens

<400> 1111

Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly Ala Gly Ala
 1 5 10 15

Arg Gln Arg

<210> 1112

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112

Ala Leu Gln Leu Ala Phe Tyr Pro Asp Ala Val Glu Glu Trp Leu Glu
 1 5 10 15

Glu Asn Val His Pro Ser Leu Gln Arg Leu Gln Xaa Leu Leu Gln Asp
 20 25 30

Leu Ser Glu Val Ser Ala Pro Pro
 35 40

<210> 1113

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1113

Cys His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly
 1 5 10 15

Arg Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala
 20 25 30

<210> 1114

<211> 59

<212> PRT

<213> Homo sapiens

<400> 1114

Gly Ser Ser Ser Thr Arg Ser Trp Phe Ser Thr Ser Ser Pro Gln Arg
 1 5 10 15

Ser Ala Ser Trp His Ser Gly Ala Pro Ser Cys Arg Ser Trp Arg Leu
 20 25 30

Pro Cys Ser Trp Leu Ser Thr Arg Met Pro Trp Arg Ser Gly Trp Arg
 35 40 45

Lys Thr Cys Thr Pro Ala Cys Ser Gly Cys Lys
 50 55

<210> 1115

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1115

Ala Ser Thr Leu Gln Pro Ser Leu Ser Pro Ser Ser Pro Pro Leu Xaa
 1 5 10 15

Pro Pro Val Glu Thr Ala Val Xaa Ser Arg Ala Leu Arg Arg Glu Gly
 20 25 30

Ala Gly Ser Phe Pro Gly Ser Asn Ile Leu Ala Leu Val Thr Gln Val
 35 40 45

Ser Leu His Leu Arg Ser Ser Val Asp Ala Leu Leu Glu Gly Asn Arg
 50 55 60

Tyr Val Thr Gly Trp Phe Ser Pro Tyr His Arg Gln Arg Lys Leu Ile
 65 70 75 80

His Pro Val

<210> 1116

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (256)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116

Pro Leu Gly Pro Glu Lys Ala Gly Leu Ala Xaa Pro Leu Val Xaa His
1 5 10 15

Ala Ala Arg Pro Cys Pro Ser Thr Ser Leu Gln Ser Gln Cys Ser Pro
20 25 30

Ser Leu Xaa Xaa Glu Pro Xaa Xaa Pro Pro Arg Ser Xaa Val Ile Ser
35 40 45

Gly Gly Phe Asp Glu Asp Val Lys Ala Lys Val Glu Asn Leu Leu Gly
50 55 60

Ile Ser Ser Leu Glu Lys Thr Asp Pro Val Arg Gln Ala Pro Cys Ser
65 70 75 80

Pro Pro Cys Pro Leu Leu Pro Leu Pro Phe Xaa Arg Pro Trp Arg Gln
85 90 95

Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro Ser Leu
100 105 110

Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser Ala Ser Ile Cys Ala
115 120 125

Ala Leu Trp Met Arg Cys Trp Arg Ala Thr Gly Met Ser Leu Ala Gly
130 135 140

Ser Ala Pro Thr Thr Ala Ser Gly Ser Ser Ser Thr Arg Ser Trp Phe
145 150 155 160

Ser Thr Ser Ser Pro Gln Arg Ser Ala Ser Trp His Ser Gly Ala Pro
 165 170 175
 Ser Cys Arg Ser Trp Arg Leu Pro Cys Ser Trp Leu Ser Thr Arg Met
 180 185 190
 Pro Trp Arg Ser Gly Trp Arg Lys Thr Cys Thr Pro Ala Cys Ser Gly
 195 200 205
 Cys Lys Leu Cys Cys Arg Thr Ser Ala Arg Cys Leu Pro Pro Arg Cys
 210 215 220
 His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly Arg
 225 230 235 240
 Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala Leu Xaa Xaa
 245 250 255
 Xaa Xaa Ala Trp Ala Ile Arg Pro Thr Trp Ala Ser Cys Pro Leu Ala
 260 265 270
 Gln Gln Cys Leu Ala His Thr Gln Phe Leu Arg Ala Leu Gly Ser Pro
 275 280 285
 Trp Gly Arg Asp
 290

<210> 1117

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Phe Gln Glu Asp Leu Met Lys Met Leu Lys Arg Lys Trp Arg Thr Phe
 1 5 10 15

Ser Gly Phe Pro Ala Trp Lys Lys Arg Thr Leu Leu Gly Lys His Pro
 20 25 30

Ala Ala Leu Pro Val Pro Phe Phe Pro Ser Pro Ser Pro Ala Arg Gly
 35 40 45

Asp Ser Cys Xaa Gln Gln Gly Ser Pro Gln Gly Gly Gly Arg Leu Leu
 50 55 60

Pro Trp Gln Gln His Pro Cys Pro Cys His Thr Ser Gln Pro Pro Ser
 65 70 75 80

Ala Gln Leu Cys Gly Cys Ala Ala Gly Gly Gln Gln Val Cys His Trp
 85 90 95

Leu Val Gln Pro Leu Pro Pro Pro Ala Glu Ala His Pro Pro Gly His
 100 105 110

Gly Ser Ala His Pro Ala Arg Ser Ala Gln Pro Pro Gly Thr Val Glu
 115 120 125

His Pro Arg Ala Gly Ala Gly Gly Cys Pro Ala Ala Gly Phe Leu Pro
 130 135 140

Gly Cys Arg Gly Gly Val Ala Gly Gly Lys Arg Ala Pro Gln Pro Ala
 145 150 155 160

Ala Ala Ala Xaa Ser Ala Ala Gly Pro Gln Arg Gly Val Cys Pro Pro
 165 170 175

Ala Ala Thr His Gln Pro Trp Gln Gly Arg Cys Ser Gly Pro Leu Arg
 180 185 190

Gly Glu Leu Met Pro Gly Gly Ser Cys Trp Arg Leu Gly Gly Leu Cys
 195 200 205

Xaa Xaa Xaa Trp Pro Gly Gln Tyr Gly Pro Arg Gly Arg Arg Ala Leu
 210 215 220

Trp Pro Ser Ser Val Leu Pro Thr Leu Ser Ser
 225 230 235

<210> 1118

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<400> 1118
Ala Leu Pro Ser Gly Val Leu Ser Asn Val Pro Ala Arg Ala Gly Gly
  1              5              10              15
Trp Gln Arg Gly Gly Arg His Leu Ala Glu Val Leu Gln Gln Ser Leu
      20              25              30
Gln Pro Leu Gln Ala Gly Val His Val Phe Leu Gln Pro Leu Leu His
      35              40              45
Gly Ile Arg Val Glu Ser Gln Leu Gln Gly Ser Leu Gln Leu Leu His
      50              55              60
Glu Gly Ala Pro Leu Cys Gln Glu Ala Glu Arg Cys Gly Leu Asp Val
      65              70              75              80
Leu Asn His Asp Arg Val Asp Glu Leu Pro Leu Ala Val Val Gly Ala
      85              90              95
Glu Pro Ala Ser Asp Ile Pro Val Ala Leu Gln Gln Arg Ile His Arg
      100             105             110
Ala Ala Gln Met Glu Ala Asp Leu Cys Asp Lys Gly Lys Asp Val Ala
      115             120             125

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Ala Arg Glu Gly Ala Gly Pro Leu Pro Ala Glu Ser Pro Ala Glu Asn
130 135 140

Ser Cys Leu His Gly Arg Xaa Lys Gly Arg Gly Arg Gly Gln Gly
145 150 155 160

Gly Leu Gln Gly Ala Cys Leu Thr Gly Ser Val Phe Ser Arg Leu Glu
165 170 175

Ile Pro Arg Arg Phe Ser Thr Phe Ala Leu Thr Ser Ser Ser Asn Pro
180 185 190

Pro Glu Ile Thr Xaa Xaa Arg Gly Gly Xaa Xaa Gly Ser Xaa Xaa Arg
195 200 205

Glu Gly Leu His Trp Asp Cys Arg Leu Val Leu Gly His Gly Arg Ala
210 215 220

Ala Trp Xaa Thr Asn Gly Gln Ala Asn Pro Ala Phe Ser Gly Pro Lys
225 230 235 240

Gly

<210> 1119

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1119

Arg Gln Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro
1 5 10 15

Ser Leu Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser
20 25

<210> 1120

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1120

Glu Leu Pro Leu Ala Val Val Gly Ala Glu Pro Ala Ser Asp Ile Pro
1 5 10 15

Val Ala Leu Gln Gln Arg Ile His Arg Ala Ala Gln
20 25

<210> 1121

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1121

Gln Pro Pro Gly Thr Val Glu His Pro Arg Ala Gly Ala Gly Gly Cys
 1 5 10 15

Pro Ala Ala Gly Phe Leu Pro Gly Cys Arg Gly
 20 25

<210> 1122

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1122

Ser Val Phe Glu Arg Thr Asn Glu Phe Arg Asp Val Leu Trp Ser Ser
 1 5 10 15

Ile

<210> 1123

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1123

Gly Val Val Gln Val Thr Phe Met Ser Ser Val Ser Arg Val Thr Trp
 1 5 10 15

Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala Ala Ala Leu
 20 25 30

Ala Gly Gly Leu Arg Leu Leu Phe Glu Arg Glu Leu Phe Gly Leu Pro
 35 40 45

Val Ser Ser Pro Leu Ile Cys Ser Phe Leu Glu His His Pro Arg Thr
 50 55 60

Ser Pro Pro Pro Ser Asp Cys Glu Leu Leu Glu Gly Arg Ser Cys Val
 65 70 75 80

Leu Leu Phe Ile Phe Leu Ser Pro Glu Pro Cys Thr Asp Pro Gly Met
 85 90 95

Trp

<210> 1124

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1124

Ser Lys Gln Ile His Ser Phe Val His Ser Phe Ile His Leu Phe Asn
 1 5 10 15

Thr His Leu Leu Ser Thr Tyr His Ile Pro Gly Ser Val Gln Gly Ser

20 25 30

Gly Asp Arg Lys Met Asn Arg Arg Thr Gln Leu Leu Pro Ser Arg Ser
35 40 45

Ser Gln Ser Asp Gly Gly Gly Asp Val Leu Gly Trp Cys Ser Lys Lys
50 55 60

Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
65 70 75 80

Lys Arg Ser Leu Arg Pro Pro Ala Arg Ala Ala Ala Gly Gly Ala Pro
85 90 95

Gly Gln Met Leu Gly
100

<210> 1125

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1125

Val Thr Trp Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala
1 5 10 15

Ala Ala Leu Ala Gly Gly Leu Arg Leu Leu Phe Glu
20 25

<210> 1126

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1126

Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
1 5 10 15

Lys Arg Ser Leu Arg Pro Pro
20

<210> 1127

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1127

Gln Trp Glu His Leu Leu Leu Leu Pro His Leu Leu Arg Gly Ala His
1 5 10 15

Arg Asp Pro Gly Asp Ile Leu Pro Leu Ala Pro Arg Ser Glu Cys Arg
20 25 30

Ala Asn Ser Ile Lys Glu Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val
35 40 45

Val Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro Thr Val
50 55 60

Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe Leu Ala
65 70 75 80

Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn Pro Tyr
85 90 95

Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile Lys Lys
100 105 110

Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly Gly Asp
115 120 125

Glu Val
130

<210> 1128

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1128

Glu Glu Arg Gly Gly Gly Gly Ala Met Ala Gly Gln Gln Phe Gln
1 5 10 15

Tyr Asp Asp Ser Gly Asn Thr Phe Phe Tyr Phe Leu Thr Ser Phe Val
20 25 30

Gly Leu Ile Val Ile Pro Ala Thr Tyr Tyr Leu Trp Pro Arg Asp Gln
35 40 45

Asn Ala Glu Gln Ile Arg Leu Lys Asn Ile Arg Lys Val Tyr Gly Arg
50 55 60

Cys
65

<210> 1129

<211> 220

<212> PRT

<213> Homo sapiens

<400> 1129

Arg Leu Tyr Thr Gly Cys Val Ile Phe Asp Leu Val Ser Asn Arg Ala
1 5 10 15

Leu Ser Phe Arg Cys Met Leu Cys Cys Asn Ser Cys His Ser Ala Ser
20 25 30

Ser Ser Leu Phe Cys Phe Ser Ser Cys Ser Leu Ser Glu Ser Leu Ser
35 40 45

Leu Pro Ser Ser Phe Ser Leu Trp Glu Ser Leu Leu Val Ser Ser Ser

50 55 60
 Ser Glu Ser Leu Pro Leu Ser Glu Thr Ser Ser Ser Ser Phe Thr
 65 70 75 80
 Ala Ala Ser Phe Pro Thr Thr Pro Phe Ala Cys Phe Cys Phe Cys Cys
 85 90 95
 Phe Asp Cys Gly Asn Ser Thr Gly Val Gly Phe Phe Phe Lys Gly Phe
 100 105 110
 Phe Phe Phe Asp Leu Ala Val Phe Leu Gly Pro Leu Leu Phe Cys Cys
 115 120 125
 His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser Ser
 130 135 140
 Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn Thr
 145 150 155 160
 Ser Ala Ile Val Cys Leu Val Asn Leu Thr Asn Thr Val Thr Lys Asp
 165 170 175
 Pro Thr Val Met Leu Leu Leu Ser Ser Ser Ser Asn Thr Cys Asp Phe
 180 185 190
 Ile Ser Met Val Thr Tyr Gly Lys Leu Pro Arg Thr Ala Ile Thr Ser
 195 200 205
 Ser Tyr Phe Ser Ser Ser Arg Lys Cys Ser Arg Val
 210 215 220

<210> 1130

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1130

Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val Val Arg Leu Arg Leu Leu
 1 5 10 15

Lys Pro Gln Pro Asn Ile Ile Pro Thr Val Lys Lys Ile Val Leu Leu
 20 25 30

Ala Gly Trp
 35

<210> 1131

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1131

Cys His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser
 1 5 10 15

Ser Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn
 20 25 30

Thr Ser Ala
 35

<210> 1132
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1132
 Gly Thr Ser Leu Asp Ala Ala Ala Thr Ala Ala Ser Leu Ser Pro Arg
 1 5 10 15

Gly Cys Arg Leu Arg Thr Pro Ser Ser Asp
 20 25

<210> 1133
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1133
 Gln Ile Gln Arg His Thr Arg Ala Pro Lys Gln Leu Ile Pro Leu Met
 1 5 10 15

Thr Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg
 20 25 30

Gln Thr Pro Arg Pro Ser Ser His Leu Val Phe Met Arg Met Thr Pro
 35 40 45

Ser Ser Met Met Asn Thr Pro Ser Gly Asn Gly Gly Cys Trp Ser Gln
 50 55 60

Leu Cys Cys Ser Ser Gln Ala Ser Ser Ser Pro Val Ala Ser Ala
 65 70 75 80

Gly Ser Cys Pro Gly Tyr Ala Gly Ile Ile Ala Gly Glu Ser Ile Arg
 85 90 95

Asn Arg Ser

<210> 1134
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1134
 Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg Gln
 1 5 10 15

Thr Pro Arg Pro Ser Ser His Leu Val Phe Met

20

25

<210> 1135
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135
 Thr His Pro Pro Glu Thr Gly Ala Val Gly Arg Ser Cys Ala Val His
 1 5 10 15
 His Arg His His His Pro His Gln Trp Gln Val Gln Ala Ala Val Pro
 20 25 30
 Val Met Pro Glu Ser Leu Gln Val Ser Pro Ser Glu Thr Gly Ala Asp
 35 40 45
 Asn Xaa Leu Gly Thr Arg Arg Pro Ser Pro Leu Pro Ala His Arg Ala
 50 55 60
 Gln Pro Pro Ala Ser Pro Arg Arg Ala Trp Pro Glu Arg Glu Asp Thr
 65 70 75 80
 Asp Asp Glu Ala Gly Ala Arg Ala Ala Gly Pro Ser Leu Leu Pro Pro
 85 90 95
 Pro Thr Leu Pro Ala Pro Glu Gly Tyr Leu Ala Pro Trp Gly Leu Ser
 100 105 110
 Leu Lys Leu Ser Pro Leu Leu Arg Gln Lys Val Lys His Cys Gly Leu
 115 120 125
 Cys

<210> 1136
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1136
 Pro Glu Ser Leu Gln Val Ser Pro Ser Glu Thr Gly Ala Asp Asn Xaa
 1 5 10 15
 Leu Gly Thr Arg Arg Pro Ser Pro Leu Pro Ala His Arg Ala Gln Pro
 20 25 30

Pro Ala Ser Pro
35

<210> 1137
<211> 79
<212> PRT
<213> Homo sapiens

<400> 1137
Gly Thr Ala Pro Lys Ala Pro Gly Ser Leu Gln Gly Arg Ala Gly Leu
1 5 10 15
Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
20 25 30
Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
35 40 45
Gly His Gly Glu Leu Ala Gly Gly Leu Val Phe Gly Cys Pro Ala Gly
50 55 60
Cys Gln Leu Leu Phe Leu Met Asp Ser Pro Ala Met Ile Pro Ala
65 70 75

<210> 1138
<211> 34
<212> PRT
<213> Homo sapiens

<400> 1138
Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
1 5 10 15
Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
20 25 30
Gly His

<210> 1139
<211> 86
<212> PRT
<213> Homo sapiens

<400> 1139
Gly Ser Gly Gly Leu Ser Gly Arg Leu Cys Leu Gly Met Val Ser Gln
1 5 10 15
Arg Ala Ser Trp Cys His Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys
20 25 30
Val Ser Leu Asp Leu Ser Leu Glu Ala His Pro Phe Leu Pro Val Ala
35 40 45

Gly Ser Gly Ser Gly Val Val Val Phe His Gln Gln Ala Arg Leu Gly
50 55 60

Leu Glu Arg Trp Ala Gly Val Leu Cys Arg Leu His Leu Gly Leu Val
65 70 75 80

Ser Gly Pro Glu Cys Pro
85

<210> 1140

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1140

Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys Val Ser Leu Asp Leu Ser
1 5 10 15

Leu Glu Ala His Pro Phe Leu Pro Val Ala Gly Ser Gly Ser Gly Val
20 25 30

Val Val Phe His Gln Gln Ala Arg Leu
35 40

<210> 1141

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1141

Met Arg Pro Asp Trp Lys Ala Gly Ala Gly Pro Gly Gly Pro Pro Gln
1 5 10 15

Lys Pro Ala Pro Ser Ser Gln Arg Lys Pro Pro Ala Arg Pro Ser Ala
20 25 30

Ala Ala Ala Ala Ile Ala Val Ala Ala Ala Glu Glu Glu Arg Arg Leu
35 40 45

Arg Gln Arg Asn Arg Leu Arg Leu Glu Glu Asp Lys Pro Ala Val Glu
50 55 60

Arg Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp
65 70 75 80

Ala Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp
85 90 95

Ser Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro
100 105 110

Gln Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met
115 120 125

Val Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala
130 135 140

Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu
 145 150 155 160
 Glu Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr
 165 170 175
 Lys Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp
 180 185 190
 Leu Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro
 195 200 205
 Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg
 210 215 220
 Pro Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr
 225 230 235 240
 Asp Cys Asp Gly Cys Trp Asp
 245
 <210> 1142
 <211> 180
 <212> PRT
 <213> Homo sapiens
 <400> 1142
 Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala
 1 5 10 15
 Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp Ser
 20 25 30
 Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro Gln
 35 40 45
 Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met Val
 50 55 60
 Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala Ser
 65 70 75 80
 Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu Glu
 85 90 95
 Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr Lys
 100 105 110
 Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp Leu
 115 120 125
 Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro Arg
 130 135 140
 Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg Pro
 145 150 155 160

Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr Asp
 165 170 175

Cys Asp Gly Cys
 180

<210> 1143

<211> 218

<212> PRT

<213> Homo sapiens

<400> 1143

Leu Lys Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser
 1 5 10 15

Phe Leu Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met
 20 25 30

Lys Thr Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala
 35 40 45

Ala Ser Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly
 50 55 60

Asp Gly Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn
 65 70 75 80

Arg Phe Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser
 85 90 95

Arg Asn Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn
 100 105 110

Ile Tyr Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile
 115 120 125

Lys Ala Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn
 130 135 140

Pro Thr Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala
 145 150 155 160

Val Arg Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro
 165 170 175

Val Ile Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser
 180 185 190

Pro Arg Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu
 195 200 205

Met Tyr Arg Leu His His Tyr Ser Asp Phe
 210 215

<210> 1144

<211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1144

Lys Ile Asn Gly Arg Val Ala Ala Ser Thr Phe Ser Ser Asp Ser Lys
 1 5 10 15
 Lys Val Tyr Ala Ser Ser Gly Asp Gly Glu Val Tyr Val Trp Asp Val
 20 25 30
 Asn Ser Arg Lys Cys Leu Asn Arg Phe Val Asp Glu Gly Ser Leu Tyr
 35 40 45
 Gly Leu Ser Ile Ala Thr Ser Arg Asn Gly Gln Tyr Val Ala Cys Gly
 50 55 60
 Ser Asn Cys Gly Val Val Asn Ile Tyr Asn Gln Asp Ser Cys Leu Gln
 65 70 75 80
 Glu Thr Asn Pro Lys Pro Ile Lys Ala Ile Met Asn Leu Val Thr Gly
 85 90 95
 Val Thr Ser Leu Thr Phe Asn Pro Thr Thr Glu Ile Leu Ala Ile Ala
 100 105 110
 Ser Glu Lys Met Lys Glu Ala Val Arg Leu Val His Leu Pro Ser Cys
 115 120 125
 Thr Val Phe Ser Asn Phe Pro Val Ile Lys Asn Lys Asn Ile Ser His
 130 135 140
 Val His Thr Met Asp Phe Ser Pro Arg Ser Gly Tyr Phe Ala Leu Gly
 145 150 155 160
 Asn Glu Lys Gly Lys Ala Leu
 165

<210> 1145
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1145

Trp Leu Leu Gly Leu Asp Asn Ala Val Ser Leu Phe Gln Val Asp Gly
 1 5 10 15
 Lys Thr Asn Pro Lys Ile Gln Ser Ile Tyr Leu Glu Arg Phe Pro Ile
 20 25 30
 Phe Lys Ala Cys Phe Ser Ala Asn Gly Glu Glu Val Leu Ala Thr Ser
 35 40 45
 Thr His Ser Lys Val Leu Tyr Val Tyr Asp
 50 55

<210> 1146
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1146
 Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala Leu Leu Arg Arg
 1 5 10 15
 Leu Arg Gly Pro Arg Val Gln
 20

<210> 1147
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1147
 Lys Asn Ala Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg
 1 5 10 15
 Leu Lys Glu Glu Phe Gln His Ala Met Gly Gly Val Pro
 20 25

<210> 1148
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1148
 Ser Leu Pro Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn
 1 5 10 15
 Ala Glu Arg Pro Thr Val Ala
 20

<210> 1149
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 1149
 Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
 1 5 10 15
 Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser
 20 25 30
 Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
 35 40 45
 Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
 50 55 60
 Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu

65	70	75	80
Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro	85	90	95
Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met	100	105	110
Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro	115	120	125
Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Ser Phe	130	135	140
Pro Ala Gly Ala Ala Arg Pro Asp Pro Ser Tyr Ala Cys Leu Thr Pro	145	150	155
Cys Asp Ala Pro Thr Ser Pro Ser Leu Ser Thr Arg Ser Val Arg Thr	165	170	175
Pro Thr Pro Ala Thr Ser Gln Thr Pro Trp Cys Val Pro Ala Cys Arg	180	185	190
Lys Gly Ala Arg Thr Pro Ala Arg Val Thr Pro Gly Ala Leu Trp Ser	195	200	205
Val Thr Ser Leu Phe Lys Ala Leu Ser Pro Gly Ala Arg Ile Arg Val	210	215	220
Arg Ser Pro Glu Ser Leu Val Ser Thr Arg Lys Ser Ala Asn Met Trp	225	230	235
Thr Gly Ser Arg Arg Arg	245		
<210> 1150			
<211> 228			
<212> PRT			
<213> Homo sapiens			
<400> 1150			
Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser Gln Pro	1	5	10
Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly Ala Thr	20	25	30
Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys Pro	35	40	45
Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu Glu Gly	50	55	60
Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro Gly Phe	65	70	75
Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu Val			80

85 90 95

Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro Leu Thr
100 105 110

Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Ser Phe Pro Ala
115 120 125

Gly Ala Ala Arg Pro Asp Pro Ser Tyr Ala Cys Leu Thr Pro Cys Asp
130 135 140

Ala Pro Thr Ser Pro Ser Leu Ser Thr Arg Ser Val Arg Thr Pro Thr
145 150 155 160

Pro Ala Thr Ser Gln Thr Pro Trp Cys Val Pro Ala Cys Arg Lys Gly
165 170 175

Ala Arg Thr Pro Ala Arg Val Thr Pro Gly Ala Leu Trp Ser Val Thr
180 185 190

Ser Leu Phe Lys Ala Leu Ser Pro Gly Ala Arg Ile Arg Val Arg Ser
195 200 205

Pro Glu Ser Leu Val Ser Thr Arg Lys Ser Ala Asn Met Trp Thr Gly
210 215 220

Ser Arg Arg Arg
225

<210> 1151

<211> 74

<212> PRT

<213> Homo sapiens

<400> 1151

Cys Lys Leu His Ser Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr
1 5 10 15

Arg Leu Leu Cys Gly Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr
20 25 30

Ala Ala His Cys Leu Lys Pro Arg Tyr Ile Val His Leu Gly Gln His
35 40 45

Asn Leu Gln Lys Glu Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu
50 55 60

Ser Phe Pro His Pro Gly Phe Asn Asn Ser
65 70

<210> 1152

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152
 Val Leu Gln Gly Arg Tyr Phe Ser Pro Ile Leu Glu Met Arg Arg Leu
 1 5 10 15
 Arg Pro Glu Gly Xaa Xaa Asn Leu Pro Gly Gly Ser Arg Ala Gln Lys
 20 25 30
 Glu Pro Arg Gln Asp Leu Thr Leu Val Leu Trp Pro His Cys Pro His
 35 40 45
 Phe Ala Met Thr Arg Ser Tyr Val Pro Thr Lys Gln Cys Met Val Gln
 50 55 60
 Gly Ser Phe Tyr Cys Ile Phe Ile Phe Lys Gly Pro Val Gln Asn Trp
 65 70 75 80

Cys

<210> 1153
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 1153
 Cys Pro Arg Arg Thr Cys Val Arg Val Glu Lys Ser Arg Pro Phe
 1 5 10 15
 Gln Cys Gln Leu His Ser Ile Ser
 20

<210> 1154
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 1154
 Pro Lys Glu Pro Gly Val Pro Glu
 1 5

<210> 1155
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 1155

Leu Gln Leu Lys Pro Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala
 1 5 10 15

Val Leu Ser Pro Gln Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
 20 25 30

Ile Gln Asp Asn Asn Val Asp Leu Ile Leu Ala Thr Pro Pro Phe Ser
 35 40 45

Arg Leu Glu Lys Leu Tyr Ser Thr Met Val Arg Phe Leu Ser Asp Arg
 50 55 60

Lys Asn Pro Val Cys Arg Arg Trp Leu Trp Tyr Cys Trp Pro Thr Trp
 65 70 75 80

Leu Arg Gly Thr Ala Trp Gln Leu Val Pro Leu Gln Cys Arg Arg Ala
 85 90 95

Val Ser Ala Thr Ser Trp Ala Ser
 100

<210> 1156

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1156

Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala Val Leu Ser Pro Gln
 1 5 10 15

Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
 20 25

<210> 1157

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1157

Glu Val Ile Ser Gly Leu Phe Ile Gln Ser Arg Arg Arg Glu Arg Gly
 1 5 10 15

Gln Gly Val Val Gly Ser His Met Ile Leu Trp Gly Lys Ser Leu Phe
 20 25 30

Phe Phe Ser Pro Gln Arg Leu Thr Lys Asn Ile Phe Lys Asn Tyr Ser
 35 40 45

Leu Leu Leu Thr Gln Arg Phe Leu Phe Pro Cys Glu Thr Leu Leu Leu
 50 55 60

Gln Tyr Val Tyr Ser Ile Arg Cys Thr Val Gln Tyr Met Lys Gly Ser
 65 70 75 80

Thr Leu Tyr Cys Thr Gly Leu Ser Ser Glu Gln Gly Leu Phe Thr Thr
 85 90 95

Gln Pro Leu Leu Ser Lys Thr Leu Ser Trp His Gln Pro Ser Arg Gly
130 135 140

Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg Gly Leu Leu Arg Pro Glu
145 150 155 160

Asp Arg Thr Lys Asp Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val
165 170 175

Lys Leu Ala Val Met Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu
180 185 190

Ala Val Val Lys Ser Ala Leu Glu Trp Ala Pro Lys Phe Gln Leu Gln
195 200 205

Leu Phe Pro
210

<210> 1160
<211> 70
<212> PRT
<213> Homo sapiens

<400> 1160
Cys Pro Glu Phe Phe Ile Pro Ala Thr Leu Pro Cys Pro Phe Val Phe
1 5 10 15

Ala Phe Thr Ser Glu Ala Ser Ser Arg Ala Tyr Leu Thr Gln Arg Gly
20 25 30

Pro Gly Gly Leu Ala Gln Asn Leu Met Pro Leu Pro Val Gly Phe Trp
35 40 45

Met Gly Ser Leu Pro Pro Pro Trp Cys Trp Arg Lys Trp Val Ser Glu
50 55 60

Ala Cys Ser Cys Phe Cys
65 70

<210> 1161
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161
Cys Arg Gln Ala Gly Ala Val Arg Gly His Pro Met Phe Gln Phe Thr
1 5 10 15

Phe Tyr Gly Val Thr Xaa Arg Phe Pro Val Thr Arg Ala Ala Gln Ala
20 25 30

1160-1161

His Gln Pro Ser Arg Gly Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg
145 150 155 160

Gly Leu Leu Arg Pro Glu Asp Arg Thr Lys Asp Val Leu Thr Lys Pro
165 170 175

Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met Gly Leu Thr Val Ala
180 185 190

Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser Ala Leu Glu Trp Ala
195 200 205

Pro Lys Phe Gln Leu Gln Leu Phe Pro
210 215

<210> 1163

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1163

Ala Glu Val Gly Thr Ile Phe Ala Leu Ser Trp Leu Ile Thr Trp Phe
1 5 10 15

Gly His Val Leu Ser Asp Phe Arg His Val Val Arg Leu Tyr Asp
20 25 30

<210> 1164

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1164

Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met
1 5 10 15

Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser
20 25 30

Ala

<210> 1165

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1165

Gly Phe Gly Ser Val Ser Ala Ala Gly Arg Arg Ser Gly Gly Thr Trp
1 5 10 15

Gln Pro Val Gln
20

<210> 1166

<211> 16

<212> PRT
 <213> Homo sapiens

<400> 1166
 Pro Gly Gly Leu Ala Val Gly Ser Arg Trp Trp Ser Arg Ser Leu Thr
 1 5 10 15

<210> 1167
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 1167
 Leu Glu Pro Ser Arg Gln Arg Arg Pro Arg Arg Arg Gly Gly Thr Ser
 1 5 10 15
 Arg Pro Glu Thr Asp Gln Arg Ala Lys Cys Trp Arg Gln Leu
 20 25 30

<210> 1168
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1168
 Val Cys Leu Arg Cys Gln Asn Arg Met Glu Asn
 1 5 10

<210> 1169
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1169
 Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30
 Ala Xaa Ala Gly Ala Phe Ser Pro Ala Ser Thr Thr Thr Arg Arg
 35 40 45
 His Leu Ser Ser Arg Asn Arg Pro Glu Gly Lys Val Leu Glu Thr Val
 50 55 60
 Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys Tyr Glu Thr Gly Gln
 65 70 75 80
 Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly Val Val Leu Phe Pro
 85 90 95
 Trp Gln Ala Arg Leu Xaa Asp Arg Asp Val Ala Ser Ala Ala Pro Glu
 100 105 110
 Lys Ala Glu Asn Pro Ala Gly His Gly Ser Lys Glu Val Lys Gly Lys
 115 120 125
 Thr His Thr Tyr Tyr Gln Val Leu Ile Asp Ala Arg Asp Cys Pro His
 130 135 140
 Ile Ser Gln Arg Ser Gln Thr Glu Ala Val Thr Phe Leu Ala Asn His
 145 150 155 160
 Asp Asp Ser Arg Ala Leu Tyr Ala Ile Pro Gly Leu Asp Tyr Val Ser
 165 170 175
 His Glu Asp Ile Leu Pro Tyr Thr Ser Thr Asp Gln Val Pro Ile Gln
 180 185 190
 His Glu Leu Phe Glu Arg Phe Leu Leu Tyr Asp Gln Thr Lys Ala Pro
 195 200 205
 Pro Phe Val Ala Arg Glu Thr Leu Arg Ala Trp Gln Glu Lys Asn His
 210 215 220
 Pro Trp Leu Glu Leu Ser Asp Val His Arg Glu Thr Thr Glu Asn Ile
 225 230 235 240
 Arg Val Thr Val Ile Pro Phe Tyr Met Gly Met Arg Glu Ala Gln Asn
 245 250 255
 Ser His Val Tyr Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp
 260 265 270
 Ser Asp Val Val Gln Leu Arg Glu Arg His Trp Arg Ile Phe Ser Leu
 275 280 285
 Ser Gly Thr Leu Glu Thr Val Arg Gly Arg Gly Val Val Gly Arg Glu
 290 295 300
 Pro Val Leu Ser Lys Glu Gln Pro Ala Phe Gln Tyr Ser Ser His Val
 305 310 315 320
 Ser Leu Gln Ala Ser Ser Gly His Met Trp Gly Thr Phe Arg Phe Glu

	325		330		335
Arg	Pro	Asp	Gly	Ser	His
	340				
			Asp	Val	Arg
				345	
			Pro	Pro	Phe
					350
Glu	Ser	Asn	Lys	Asp	Glu
			Lys	Thr	Pro
				360	
			Pro	Ser	Gly
				Leu	His
					365

<210> 1170
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170
 Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1171
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171
 Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1172
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20					25					30		

Ala

<210> 1173

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20					25					30		

Ala

<210> 1174

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1174

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20					25					30		

Ala

<210> 1175

<211> 35

<212> PRT
 <213> Homo sapiens

<400> 1175
 Val Leu Glu Thr Val Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys
 1 5 10 15
 Tyr Glu Thr Gly Gln Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly
 20 25 30
 Val Val Leu
 35

<210> 1176
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1176
 Gly Leu Asp Tyr Val Ser His Glu Asp Ile Leu Pro Tyr Thr Ser Thr
 1 5 10 15

<210> 1177
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 1177
 Asp Val His Arg Glu Thr Thr Glu Asn Ile Arg Val Thr Val Ile Pro
 1 5 10 15

Phe Tyr Met

<210> 1178
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 1178
 Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp Ser Asp Val Val
 1 5 10 15

Gln Leu Arg Glu Arg
 20

<210> 1179
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1179

Pro Ala Phe Gln Tyr Ser Ser His Val Ser Leu Gln Ala Ser Ser Gly
 1 5 10 15

His Met Trp Gly Thr Phe Arg Phe Glu Arg
 20 25

<210> 1180

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Arg Leu Pro Ser His Lys Arg Arg Cys Phe Cys Leu Val Ile Gln Lys
 1 5 10 15

Lys Ser Phe Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly
 20 25 30

Val Gly Glu Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly
 35 40 45

Ile Glu Gly Pro Thr Val Ile Met Val Ser Gln Glu Gly His Ser Phe
 50 55 60

Cys Leu Arg Ser Leu Arg Tyr Met Trp Ala Val Thr Ser Ile Asn Gln
 65 70 75 80

His Leu Ile Val Ser Val Ser Phe Ala Phe His Leu Leu Gly Ala Met
 85 90 95

Ala Ser Arg Val Leu Cys Phe Phe Trp Ser Cys Arg Ser His Ile Pro
 100 105 110

Val Xaa Gln Ser Gly Leu Pro Gly Lys Gln Asp Asp Thr Ser Val Ala
 115 120 125

Lys Asn Ala Met Lys Glu Lys Leu Pro Gly Leu Ile Phe Ser Ile Leu
 130 135 140

Phe Trp His Leu Lys His Thr Asn Cys Leu Gln His Phe Ala Leu Trp
 145 150 155 160

Ser Val Ser Gly Arg Glu Val Pro Pro Arg Arg Arg Gly Arg Arg Trp
165 170 175

Arg Glu Gly Ser Ser Xaa Gly Arg Ala Gln Ser Gly Leu Gly His Arg
180 185 190

Ala Xaa Val Ser Asp Arg Asp His Gln Arg Leu Pro Thr Ala Arg Pro
195 200 205

Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg Arg Pro Ala Ala
210 215 220

Asp Thr Glu Pro Asn Pro
225 230

<210> 1181
<211> 31
<212> PRT
<213> Homo sapiens

<400> 1181
Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly Val Gly Glu
1 5 10 15

Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly Ile Glu
20 25 30

<210> 1182
<211> 29
<212> PRT
<213> Homo sapiens

<400> 1182
Ala Val Thr Ser Ile Asn Gln His Leu Ile Val Ser Val Ser Phe Ala
1 5 10 15

Phe His Leu Leu Gly Ala Met Ala Ser Arg Val Leu Cys
20 25

<210> 1183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1183
Thr Ala Arg Pro Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg
1 5 10 15

Arg Pro Ala Ala
20

<210> 1184
<211> 11

<211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1189

Ala	Gln	Arg	Lys	Lys	Glu	Met	Val	Leu	Ser	Glu	Lys	Val	Ser	Gln	Leu
1				5					10					15	
Met	Glu	Trp	Thr	Asn	Lys	Arg	Pro	Val	Ile	Arg	Met	Asn	Gly	Asp	Lys
			20				25						30		
Phe	Arg	Arg	Leu	Val	Lys	Ala	Pro	Pro	Arg	Asn	Tyr	Ser	Val	Ile	Val
		35					40					45			
Met	Phe	Thr	Ala	Leu	Gln	Leu	His	Arg	Gln	Cys	Val	Val	Cys	Lys	Gln
	50					55					60				
Ala	Asp	Glu	Glu	Phe	Gln	Ile	Leu	Ala	Asn	Ser	Trp	Arg	Tyr	Ser	Ser
65				70					75					80	
Ala	Phe	Thr	Asn	Arg	Ile	Phe	Phe	Ala	Met	Val	Asp	Phe	Asp	Glu	Gly
			85					90						95	
Ser	Asp	Val	Phe	Gln	Met	Leu	Asn	Met	Asn	Ser	Ala	Pro	Thr	Phe	Ile
		100					105						110		
Asn	Phe	Pro	Ala	Lys	Gly	Lys	Pro	Lys	Arg	Gly	Asp	Thr	Tyr	Glu	Leu
		115					120					125			
Gln	Val	Arg	Gly	Phe	Ser	Ala	Glu	Gln	Ile	Ala	Arg	Trp	Ile	Ala	Asp
	130					135					140				
Arg	Thr	Asp	Val	Asn	Ile	Arg	Val	Ile	Arg	Pro	Pro	Asn	Met	Ala	Ala
145				150					155					160	
Arg	Trp	Arg	Phe	Trp	Cys	Val	Ser	Val	Thr						
			165					170							

<210> 1190
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1190

Met	Val	Val	Ala	Leu	Leu	Ile	Val	Cys	Asp	Val	Pro	Ser	Ala	Ser
1				5						10			15	

<210> 1191
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1191

Ala	Gln	Arg	Lys	Lys	Glu	Met	Val	Leu	Ser	Glu	Lys	Val	Ser	Gln	Leu
1				5					10					15	

<210> 1192
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1192
 Met Glu Trp Thr Asn Lys Arg Pro Val Ile Arg Met Asn Gly Asp Lys
 1 5 10 15

Phe

<210> 1193
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1193
 Arg Arg Leu Val Lys Ala Pro Pro Arg Asn Tyr Ser Val Ile Val Met
 1 5 10 15

Phe Thr Ala Leu Gln Leu His Arg Gln Cys Val Val Cys Lys Gln Ala
 20 25 30

Asp Glu Glu Phe Gln Ile Leu Ala Asn Ser Trp Arg Tyr Ser Ser Ala
 35 40 45

Phe Thr Asn Arg Ile Phe Phe Ala
 50 55

<210> 1194
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 1194
 Met Val Asp Phe Asp Glu Gly Ser Asp Val Phe Gln Met Leu Asn Met
 1 5 10 15

Asn Ser Ala Pro Thr Phe Ile Asn Phe Pro Ala Lys Gly Lys Pro
 20 25 30

<210> 1195
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1195
 Lys Arg Gly Asp Thr Tyr Glu Leu Gln Val Arg Gly Phe Ser Ala Glu
 1 5 10 15

Gln Ile Ala Arg Trp Ile Ala Asp Arg Thr Asp Val Asn Ile Arg Val
 20 25 30

Ile Arg Pro Pro Asn
 35

<210> 1196

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1196

Tyr Ala Gly Pro Leu Met Leu Gly Leu Leu Leu Ala Val Ile Gly Gly
 1 5 10 15

Leu Val Tyr Leu Arg Arg Val Ile Trp Asn Phe Ser Leu Ile Lys Leu
 20 25 30

Asp Gly Leu Leu Gln Leu Cys Val Leu Cys Leu Leu
 35 40

<210> 1197

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1197

Asp Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp
 1 5 10 15

Ser

<210> 1198

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1198

Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser
 1 5 10 15

Lys Asn Leu Asn
 20

<210> 1199

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1199

Val Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 1 5 10 15

<210> 1200

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1200

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45

<210> 1201

<211> 90

<212> PRT

<213> Homo sapiens

<400> 1201

Pro Ala Ala Trp Asp Lys Thr Asn Ile Lys Thr Val Cys Thr Tyr
 1 5 10 15

Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala Leu Thr Asp Cys Gln
 20 25 30

Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser Lys Asn
 35 40 45

Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys Gly Ser Gly Asn Gly
 50 55 60

Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val Leu Leu Val Ser Leu
 65 70 75 80

Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 85 90

<210> 1202

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202
 Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15
 Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30
 Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45
 Xaa Xaa Xaa Xaa Xaa Pro Ala Ala Trp Asp Asp Lys Thr Asn Ile Lys
 50 55 60
 Thr Val Cys Thr Tyr Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala
 65 70 75 80
 Leu Thr Asp Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg
 85 90 95
 Lys Glu Ser Lys Asn Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys
 100 105 110
 Gly Ser Gly Asn Gly Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val
 115 120 125
 Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 130 135 140

<210> 1203
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 1203
 Met Asn Ser Ala Ala Gly Phe Ser His Leu Asp Arg Arg Glu Arg Val
 1 5 10 15

Leu Lys Leu Gly Glu Ser Phe Glu Lys Gln Pro Arg Cys Ala Ser Thr
 20 25 30

Leu Cys

<210> 1204

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1204

Thr Ile Tyr Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val
 1 5 10 15

Ser Ile Thr Glu Arg Ala Leu Lys Leu Val Ser Asp
 20 25

<210> 1205

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1205

Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala Lys Gly Leu
 1 5 10 15

Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu Leu Cys
 20 25 30

<210> 1206

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1206

Ala Leu Ala Ala Leu Arg His Ala Lys Trp Phe Gln Ala Arg Ala Asn
 1 5 10 15

Gly Leu Gln Ser Cys Val Ile Ile Ile Arg Ile Leu Arg Asp Leu Cys
 20 25 30

Gln Arg Val Pro Thr Trp Ser
 35

<210> 1207

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1207

Gly Asp Ala Leu Arg Arg Val Phe Glu Cys Ile Ser Ser Gly Ile Ile
 1 5 10 15

Leu

<210> 1208

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1208

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
 1 5 10 15

<210> 1209

<211> 342

<212> PRT

<213> Homo sapiens

<400> 1209

Thr Ile Tyr Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val
 1 5 10 15

Ser Ile Thr Glu Arg Ala Leu Lys Leu Val Ser Asp Ser Leu Ser Glu
 20 25 30

His Glu Lys Asn Lys Asn Lys Glu Gly Asp Asp Lys Lys Glu Gly Gly
 35 40 45

Lys Asp Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala Lys
 50 55 60

Gly Leu Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu Leu Cys
 65 70 75 80

Ser Glu Lys Pro Ser Lys Thr Leu Leu Ser Arg Ile Ala Glu Asn Leu
 85 90 95

Pro Lys Gln Leu Ala Val Ile Ser Pro Glu Lys Tyr Asp Ile Lys Cys
 100 105 110

Ala Val Ser Glu Ala Ala Ile Ile Leu Asn Ser Cys Val Glu Pro Lys
 115 120 125

Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn
 130 135 140

Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp
 145 150 155 160

Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His
 165 170 175

Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile
 180 185 190

Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
195 200 205

Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
210 215 220

Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
225 230 235 240

Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
245 250 255

Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
260 265 270

Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
275 280 285

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
290 295 300

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
305 310 315 320

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
325 330 335

Lys Asp Tyr Asp Asn Phe
340

<210> 1210

<211> 12

<212> PRT

<213> Homo sapiens

<400> 1210

Met Glu Arg His Pro Lys Lys Lys Met Cys Ser Asp
1 5 10

<210> 1211

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1211

Gly Glu Asn Ser Ser Ser Asp Phe Phe Pro Leu Phe Leu Phe Tyr Phe
1 5 10 15

Leu Val Ala Leu Ala Ser Pro Pro Ile Phe Val Ser Phe Ile Asn
20 25 30

<210> 1212

<211> 24

<212> PRT

<213> Homo sapiens

<400> 1212

Met Gly Ser Gln His Ser Ala Ala Ala Arg Pro Ser Ser Cys Arg Arg
1 5 10 15

Lys Gln Glu Asp Asp Arg Asp Gly
20

<210> 1213

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1213

Leu Leu Ala Glu Arg Glu Gln Glu Glu Ala Ile Ala Gln Phe Pro Tyr
1 5 10 15

Val Glu Phe Thr Gly Arg Asp Ser Ile Thr Cys Leu Thr Cys
20 25 30

<210> 1214

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1214

Gln Gly Thr Gly Tyr Ile Pro Thr Glu Gln Val Asn Glu Leu Val Ala
1 5 10 15

Leu Ile Pro His Ser Asp Gln Arg Leu Arg Pro Gln Arg Thr Lys Gln
20 25 30

Tyr Val

<210> 1215

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1215

Ala Arg Leu Asn Val Gly Arg Glu Ser Leu Lys Arg Glu Met Leu Lys
1 5 10 15

Ser Gln Gly Val Lys Val Ser Glu Ser Pro Met Gly Ala Arg His Ser
20 25 30

Ser Trp Pro Glu Gly Ala Ala Phe Cys Lys Lys Val Gln Gly Ala Gln
35 40 45

Met Gln Phe Pro Pro Arg Arg
50 55


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<400> 1220
Asn Phe Phe Phe Val Cys Leu Phe Lys Ser Ser Leu Arg Leu Val Asn
  1             5             10             15
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Ser Ser Tyr Thr Pro Ile Leu Cys Val Leu
20 25

<210> 1221
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1221
Val Gln Val Leu Glu Gln Leu Thr Asn Asn Ala Val Ala Glu Ser Arg
1 5 10 15

Phe Asn Asp Ala Ala Tyr Tyr Tyr Trp Met Leu Ser Met Gln Cys Leu
20 25 30

Asp Ile Ala Gln Asp
35

<210> 1222
<211> 34
<212> PRT
<213> Homo sapiens

<400> 1222
Pro Ala Gln Lys Asp Thr Met Leu Gly Lys Phe Tyr His Phe Gln Arg
1 5 10 15

Leu Ala Glu Leu Tyr His Gly Tyr His Ala Ile His Arg His Thr Glu
20 25 30

Asp Pro

<210> 1223
<211> 27
<212> PRT
<213> Homo sapiens

<400> 1223
Leu Ala Lys Gln Ser Lys Ala Leu Gly Ala Tyr Arg Leu Ala Arg His
1 5 10 15

Ala Tyr Asp Lys Leu Arg Gly Leu Tyr Ile Pro
20 25

<210> 1224
<211> 36
<212> PRT
<213> Homo sapiens

<400> 1224
Ala Arg Phe Gln Lys Ser Ile Glu Leu Gly Thr Leu Thr Ile Arg Ala
1 5 10 15

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Lys Pro Phe His Asp Ser Glu Glu Leu Val Pro Leu Cys Tyr Arg Cys
 20 25 30

Ser Thr Asn Asn
 35

<210> 1225

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1225

Pro Leu Leu Asn Asn Leu Gly Asn Val Cys Ile Asn Cys Arg Gln Pro
 1 5 10 15

Phe Ile Phe Ser Ala Ser Ser Tyr Asp Val Leu His Leu Val Glu Phe
 20 25 30

Tyr Leu Glu Glu Gly Ile Thr Asp Glu Glu Ala Ile Ser Leu Ile Asp
 35 40 45

Leu Glu Val Leu Arg Pro Lys Arg Asp Asp Arg Gln Leu Glu Ile Cys
 50 55 60

Lys Gln Gln Leu Pro Asp Ser Cys Gly
 65 70

<210> 1226

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1226

Met Pro Tyr Ala Gln Trp Leu Ala Glu Asn Asp Arg Phe Glu Glu Ala
 1 5 10 15

Gln Lys Ala Phe His Lys Ala Gly Arg Gln Arg Glu Ala
 20 25

<210> 1227

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1227

Phe Ser Val His Arg Pro Glu Thr Leu Phe Asn Ile Ser Arg Phe Leu
 1 5 10 15

Leu His Ser Leu Pro Lys Asp Thr Pro Ser Gly Ile Ser Lys Val Lys
 20 25 30

Ile Leu Phe Thr
 35